

Dong Liu

List of Publications by Year in descending order

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576
papers

19,069
citations

17440

63
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30087

103
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587
all docs

587
docs citations

587
times ranked

18205
citing authors

#	ARTICLE	IF	CITATIONS
1	End-to-End Optimized Versatile Image Compression With Wavelet-Like Transform. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 1247-1263.	13.9	61
2	Nanostructure and reactivity of soot from biofuel 2,5-dimethylfuran pyrolysis with CO ₂ additions. Frontiers in Energy, 2022, 16, 292-306.	2.3	10
3	E-Commerce Storytelling Recommendation Using Attentional Domain-Transfer Network and Adversarial Pre-Training. IEEE Transactions on Multimedia, 2022, 24, 506-518.	7.2	6
4	Tradeoff Between Robustness and Functionality in Cyber-Coupled Power Systems. IEEE Systems Journal, 2022, 16, 499-509.	4.6	4
5	Spatiotemporal Generative Adversarial Network-Based Dynamic Texture Synthesis for Surveillance Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 359-373.	8.3	13
6	Large-scale production of holey carbon nanosheets implanted with atomically dispersed Fe sites for boosting oxygen reduction electrocatalysis. Nano Research, 2022, 15, 1926-1933.	10.4	17
7	Metal-organic framework assembly derived hierarchically ordered porous carbon for oxygen reduction in both alkaline and acidic media. Chemical Engineering Journal, 2022, 430, 132762.	12.7	13
8	Nanostructured hexaazatrinaphthalene based polymers for advanced energy conversion and storage. Chemical Engineering Journal, 2022, 427, 130995.	12.7	16
9	Defect Engineering in Photocatalytic Methane Conversion. Small Structures, 2022, 3, 2100147.	12.0	43
10	Site-density engineering of single-atomic iron catalysts for high-performance proton exchange membrane fuel cells. Applied Catalysis B: Environmental, 2022, 302, 120860.	20.2	42
11	Effects of aluminum addition on flash ignition and combustion of boron nanoparticles. Combustion and Flame, 2022, 236, 111762.	5.2	12
12	Operational characteristics and parameter sensitivity analysis of hydropower unit damping under ultra-low frequency oscillations. International Journal of Electrical Power and Energy Systems, 2022, 136, 107689.	5.5	14
13	Single-atom-based catalysts for photoelectrocatalysis: challenges and opportunities. Journal of Materials Chemistry A, 2022, 10, 5878-5888.	10.3	17
14	Self-templating synthesis of heteroatom-doped large-scalable carbon anodes for high-performance lithium-ion batteries. Inorganic Chemistry Frontiers, 2022, 9, 1058-1069.	6.0	72
15	Reducing the NO _x emissions during NH ₃ oxidation with Nickel modified Fe ₂ O ₃ -a promising cost-effective and environmentally friendly catalyst for NH ₃ combustion. Combustion and Flame, 2022, 237, 111845.	5.2	10
16	Influence of water diversion system topologies and operation scenarios on the damping characteristics of hydropower units under ultra-low frequency oscillations. Energy, 2022, 239, 122679.	8.8	15
17	Effects of oxygenated biofuel additives on soot formation: A comprehensive review of laboratory-scale studies. Fuel, 2022, 313, 122635.	6.4	31
18	Chemical effects of carbon dioxide in ethylene, ethanol and DME counter-flow diffusion flames: An experimental reference for the fictitious CO ₂ flame. Journal of the Energy Institute, 2022, 100, 245-258.	5.3	9

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19	3D interconnected g-C ₃ N ₄ hybridized with 2D Ti ₃ C ₂ MXene nanosheets for enhancing visible light photocatalytic hydrogen evolution and dye contaminant elimination. Applied Surface Science, 2022, 579, 152180.	6.1	47
20	Optimal design of hydro-wind-PV multi-energy complementary systems considering smooth power output. Sustainable Energy Technologies and Assessments, 2022, 50, 101832.	2.7	14
21	Lidar Ratio Regional Transfer Method for Extinction Coefficient Accuracy Improvement in Lidar Networks. Remote Sensing, 2022, 14, 626.	4.0	0
22	Recent Advances in Porous Materials for Photocatalytic CO ₂ Reduction. Journal of Physical Chemistry Letters, 2022, 13, 1272-1282.	4.6	30
23	Characteristics of snowmelt transport in farmland soil in cold regions: The regulatory mechanism of biochar. Hydrological Processes, 2022, 36, .	2.6	4
24	Strong Metal–Support Interaction Boosts Activity, Selectivity, and Stability in Electrosynthesis of H ₂ O ₂ . Journal of the American Chemical Society, 2022, 144, 2255-2263.	13.7	90
25	Effects of High Level of Penetration of Renewable Energy Sources on Cascading Failure of Modern Power Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2022, 12, 98-106.	3.6	16
26	Evolving framework of studies on global gulf ecosystems with Sustainable Development Goals. Environmental Science and Pollution Research, 2022, 29, 18385-18397.	5.3	4
27	Efficient Dye Contaminant Elimination and Simultaneously Electricity Production via a Bi-Doped TiO ₂ Photocatalytic Fuel Cell. Nanomaterials, 2022, 12, 210.	4.1	6
28	Anemochore Seeds Harbor Distinct Fungal and Bacterial Abundance, Composition, and Functional Profiles. Journal of Fungi (Basel, Switzerland), 2022, 8, 89.	3.5	6
29	Textile-based moisture power generator with dual asymmetric structure and high flexibility for wearable applications. Nano Energy, 2022, 95, 107017.	16.0	43
30	Enhancing ionic conductivity in tablet–bottlebrush block copolymer electrolytes with well-aligned nanostructures <i>via</i> solvent vapor annealing. Journal of Materials Chemistry C, 2022, 10, 4247-4256.	5.5	4
31	Peroxymonosulfate activation by Co ₃ O ₄ /SnO ₂ for efficient degradation of ofloxacin under visible light. Journal of Colloid and Interface Science, 2022, 615, 650-662.	9.4	43
32	Emerging Stacked Photocatalyst Design Enables Spatially Separated Ni(OH) ₂ Redox Cocatalysts for Overall CO ₂ Reduction and H ₂ O Oxidation. Small, 2022, 18, e2104681.	10.0	23
33	Ordered structure constructed from <i>C</i> -symmetric hexa- <i>peri</i> -hexabenzocoronene linked with oligo(dimethylsiloxane). Soft Matter, 2022, 18, 3430-3436.	2.7	3
34	Nonlinear Behavior and Reduced-Order Models of Islanded Microgrid. IEEE Transactions on Power Electronics, 2022, 37, 9212-9225.	7.9	4
35	Water Cloud Detection with Circular Polarization Lidar: A Semianalytic Monte Carlo Simulation Approach. Sensors, 2022, 22, 1679.	3.8	2
36	Research on the Operational Strategy of the Hybrid Wind/PV/Small-Hydropower/Facility-Agriculture System Based on a Microgrid. Energies, 2022, 15, 2466.	3.1	4

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37	MicroRNA-22 coordinates vascular and motor neuronal pathfinding via <i>sema4</i> during zebrafish development. <i>Open Biology</i> , 2022, 12, 210315.	3.6	0
38	Utilization of carbon-based energy as raw material instead of fuel with low CO ₂ emissions: Energy analyses and process integration of chemical looping ammonia generation. <i>Applied Energy</i> , 2022, 312, 118809.	10.1	11
39	Facile synthesis of three-dimensional hollow porous carbon doped polymeric carbon nitride with highly efficient photocatalytic performance. <i>Chemical Engineering Journal</i> , 2022, 438, 135623.	12.7	74
40	Boosting Li-CO ₂ battery performances by creating holey structure on CNT cathodes. <i>Electrochimica Acta</i> , 2022, 417, 140310.	5.2	12
41	Hopf Bifurcation and Parameter Sensitivity Analysis of a Doubly-Fed Variable-Speed Pumped Storage Unit. <i>Energies</i> , 2022, 15, 204.	3.1	4
42	Geometrically Deformed Iron-Based Single-Atom Catalysts for High-Performance Acidic Proton Exchange Membrane Fuel Cells. <i>ACS Catalysis</i> , 2022, 12, 5397-5406.	11.2	43
43	Photocatalytic Inactivation of <i>Bacillus subtilis</i> Spores by Natural Sphalerite with Persulfate under Visible Light Irradiation. <i>Coatings</i> , 2022, 12, 528.	2.6	1
44	Attribute Artifacts Removal for Geometry-Based Point Cloud Compression. <i>IEEE Transactions on Image Processing</i> , 2022, 31, 3399-3413.	9.8	9
45	Probing sooting limits in counterflow diffusion flames via multiple optical diagnostic techniques. <i>Experimental Thermal and Fluid Science</i> , 2022, 136, 110679.	2.7	0
46	In-situ construction of chemically bonded conductive polymeric network for high-performance silicon microparticle anodes in lithium-ion batteries. <i>Journal of Power Sources</i> , 2022, 539, 231591.	7.8	12
47	Effects of Volumetric Property Models on the Efficiency of a Porous Volumetric Solar Receiver. <i>Energies</i> , 2022, 15, 3899.	3.1	3
48	Quantitative optical diagnostics on macroscopic soot onset for ethylene diffusion flames with ethyl ester addition. <i>Optics Express</i> , 2022, 30, 21410.	3.4	5
49	Water-Soluble Conductive Composite Binder for High-Performance Silicon Anode in Lithium-Ion Batteries. <i>Batteries</i> , 2022, 8, 54.	4.5	8
50	Compressed-Encoding Particle Swarm Optimization with Fuzzy Learning for Large-Scale Feature Selection. <i>Symmetry</i> , 2022, 14, 1142.	2.2	18
51	Effects of diluent gases on sooting transition process in ethylene counterflow diffusion flames. <i>RSC Advances</i> , 2022, 12, 18181-18196.	3.6	2
52	Disparity-Aware Reference Frame Generation Network for Multiview Video Coding. <i>IEEE Transactions on Image Processing</i> , 2022, 31, 4515-4526.	9.8	2
53	An integrated modeling framework for cascading failure study and robustness assessment of cyber-coupled power grids. <i>Reliability Engineering and System Safety</i> , 2022, 226, 108654.	8.9	13
54	Solar Energy Storage in an All-Vanadium Photoelectrochemical Cell: Structural Effect of Titania Nanocatalyst in Photoanode. <i>Energies</i> , 2022, 15, 4508.	3.1	2

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55	Effects of flame temperature and radiation properties on infrared light field imaging. <i>Case Studies in Thermal Engineering</i> , 2022, 36, 102215.	5.7	2
56	Expression analysis of nel during zebrafish embryonic development. <i>Gene Expression Patterns</i> , 2022, 45, 119258.	0.8	1
57	Measurements and correlation of hydraulic resistance for H ₂ O/CO ₂ mixtures at supercritical pressure. <i>International Journal of Heat and Mass Transfer</i> , 2022, 194, 123095.	4.8	3
58	Comprehensive optical diagnostics for flame behavior and soot emission response to a non-equilibrium plasma. <i>Energy</i> , 2022, 255, 124555.	8.8	4
59	Meshed axisymmetric flame simulation and temperature reconstruction using light field camera. <i>Optics and Lasers in Engineering</i> , 2022, 158, 107159.	3.8	6
60	Carbon nanotubes with fluorine-rich surface as metal-free electrocatalyst for effective synthesis of urea from nitrate and CO ₂ . <i>Applied Catalysis B: Environmental</i> , 2022, 316, 121618.	20.2	62
61	A hollow PdCuMoNiCo high-entropy alloy as an efficient bi-functional electrocatalyst for oxygen reduction and formic acid oxidation. <i>Journal of Materials Chemistry A</i> , 2022, 10, 14857-14865.	10.3	28
62	Ultra-stretchable ion gels based on physically cross-linked polymer networks. <i>Journal of Materials Chemistry C</i> , 2022, 10, 10926-10934.	5.5	4
63	Deep High-Resolution Representation Learning for Visual Recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021, 43, 3349-3364.	13.9	1,553
64	Learning and Fusing Multiple User Interest Representations for Micro-Video and Movie Recommendations. <i>IEEE Transactions on Multimedia</i> , 2021, 23, 484-496.	7.2	32
65	Ensemble Learning-Based Rate-Distortion Optimization for End-to-End Image Compression. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021, 31, 1193-1207.	8.3	27
66	Deep Adversarial Data Augmentation for Extremely Low Data Regimes. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021, 31, 15-28.	8.3	40
67	Soot properties in ethylene inverse diffusion flames blended with different carbon chain length alcohols. <i>Fuel</i> , 2021, 287, 119520.	6.4	18
68	Flow field characteristics, mixing and emissions performance of a lab-scale rich-quench-lean trapped-vortex combustor utilizing a quench orifice plate combined with a bluff-body. <i>Chinese Journal of Aeronautics</i> , 2021, 34, 476-492.	5.3	10
69	Systematic profiling of early regulators during tissue regeneration using zebrafish model. <i>Wound Repair and Regeneration</i> , 2021, 29, 189-195.	3.0	5
70	Formation and characteristics of soot from pyrolysis of ethylene blended with furan fuels. <i>Science China Technological Sciences</i> , 2021, 64, 585-598.	4.0	9
71	High-performance metal-free iodine batteries enabled by a bifunctional dendrite-free Li-Na alloy anode. <i>Journal of Materials Chemistry A</i> , 2021, 9, 538-545.	10.3	18
72	A high-pressure artificial photosynthetic device: pumping carbon dioxide as well as achieving selectivity. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3961-3967.	10.3	16

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73	Single copper sites dispersed on hierarchically porous carbon for improving oxygen reduction reaction towards zinc-air battery. <i>Nano Research</i> , 2021, 14, 998-1003.	10.4	50
74	Deep Multi-Domain Prediction for 3D Video Coding. <i>IEEE Transactions on Broadcasting</i> , 2021, 67, 813-823.	3.2	10
75	Electrocatalytic generation and tuning of ultra-stable and ultra-dense nanometre bubbles: an <i>in situ</i> molecular dynamics study. <i>Nanoscale</i> , 2021, 13, 11242-11249.	5.6	6
76	A Tutorial on Modeling and Analysis of Cascading Failure in Future Power Grids. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021, 68, 49-55.	3.0	25
77	Is Heuristic Sampling Necessary in Training Deep Object Detectors?. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 8454-8467.	9.8	6
78	Deep Network-Based Frame Extrapolation With Reference Frame Alignment. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021, 31, 1178-1192.	8.3	20
79	Enhanced visible light photoelectrocatalytic degradation of tetracycline hydrochloride by I and P co-doped TiO ₂ photoelectrode. <i>Journal of Hazardous Materials</i> , 2021, 406, 124309.	12.4	70
80	Fundamental Insights into Surface Modification of Silicon Material toward Improved Activity and Durability in Photocatalytic Hydrogen Production: A Case Study of Pre-Lithiation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 5542-5548.	3.1	7
81	How soil texture, channel shape and cross-sectional area affect moisture dynamics and water loss in irrigation channels. <i>Hydrological Processes</i> , 2021, 35, e14155.	2.6	3
82	Plasmonic Coupling Architectures for Enhanced Photocatalysis. <i>Advanced Materials</i> , 2021, 33, e2005738.	21.0	51
83	E2I: Generative Inpainting From Edge to Image. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021, 31, 1308-1322.	8.3	48
84	An efficient combination strategy for high-performance asymmetric-electrolyte metal-air batteries. <i>Matter</i> , 2021, 4, 1090-1092.	10.0	5
85	Nanopore Sequencing and Hi-C Based De Novo Assembly of <i>Trachidermus fasciatus</i> Genome. <i>Genes</i> , 2021, 12, 692.	2.4	2
86	Nuclear exosome HMGB3 secreted by nasopharyngeal carcinoma cells promotes tumour metastasis by inducing angiogenesis. <i>Cell Death and Disease</i> , 2021, 12, 554.	6.3	27
87	Semantics-to-Signal Scalable Image Compression with Learned Reversible Representations. <i>International Journal of Computer Vision</i> , 2021, 129, 2605-2621.	15.6	21
88	Topological Defect-Rich Carbon as a Metal-Free Cathode Catalyst for High-Performance Li ₂ CO ₂ Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2101390.	19.5	60
89	Damping characteristics analysis of hydropower units under full operating conditions and control parameters: Accurate quantitative evaluation based on refined models. <i>Applied Energy</i> , 2021, 292, 116881.	10.1	24
90	SIZ1 regulates phosphate deficiency-induced inhibition of primary root growth of <i>Arabidopsis</i> by modulating Fe accumulation and ROS production in its roots. <i>Plant Signaling and Behavior</i> , 2021, 16, 1946921.	2.4	3

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91	3D interconnected porous g-C ₃ N ₄ hybridized with Fe ₂ O ₃ quantum dots for enhanced photo-Fenton performance. <i>Applied Surface Science</i> , 2021, 555, 149677.	6.1	52
92	N, P, and S tri-doped holey carbon as an efficient electrocatalyst for oxygen reduction in whole pH range for fuel cell and zinc-air batteries. <i>Carbon</i> , 2021, 179, 365-376.	10.3	47
93	Self-Healing Solid Polymer Electrolyte with High Ion Conductivity and Super Stretchability for All-Solid Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 36320-36329.	8.0	42
94	Nonlinear modeling and multi-scale damping characteristics of hydro-turbine regulation systems under complex variable hydraulic and electrical network structures. <i>Applied Energy</i> , 2021, 293, 116949.	10.1	28
95	The Curing Kinetics Analysis of Four Epoxy Resins Using a Diamine Terminated Polyether as Curing Agent. <i>Thermochimica Acta</i> , 2021, 702, 178987.	2.7	14
96	Revisiting seasonal dynamics of total nitrogen in reservoirs with a systematic framework for mining data from existing publications. <i>Water Research</i> , 2021, 201, 117380.	11.3	7
97	On the treatment of lens optical center uncertainty in simultaneous reconstruction of flame temperature and soot volume fraction distributions by a CCD camera. <i>Optik</i> , 2021, 241, 167238.	2.9	3
98	Simultaneously Engineering the Coordination Environment and Pore Architecture of Metal-Organic Framework-Derived Single-Atomic Iron Catalysts for Ultraefficient Oxygen Reduction. <i>Small</i> , 2021, 17, e2102425.	10.0	49
99	Experimental and numerical study on sooting transition process in iso-octane counterflow diffusion flames: Diagnostics and combustion chemistry. <i>Journal of the Energy Institute</i> , 2021, 98, 282-293.	5.3	10
100	Boron, nitrogen co-doped carbon with abundant mesopores for efficient CO ₂ electroreduction. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120543.	20.2	61
101	New species of the subgenus <i>Hoplophorella</i> (Oribatida: Steganacaridae: <i>Atropacarus</i>) from South China. <i>International Journal of Acarology</i> , 2021, 47, 89-94.	0.7	0
102	Deep Learning-Based Video Coding. <i>ACM Computing Surveys</i> , 2021, 53, 1-35.	23.0	78
103	SSSIC: Semantics-to-Signal Scalable Image Coding With Learned Structural Representations. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 8939-8954.	9.8	13
104	Context-Adaptive Inverse Quantization for Inter-Frame Coding. <i>IEEE Open Journal of Circuits and Systems</i> , 2021, 2, 660-674.	1.9	1
105	Sub-5 nm homeotropically aligned columnar structures of hybrids constructed by porphyrin and oligo(dimethylsiloxane). <i>Chemical Communications</i> , 2021, 58, 108-111.	4.1	3
106	Soil Rehabilitation Promotes Resilient Microbiome with Enriched Keystone Taxa than Agricultural Infestation in Barren Soils on the Loess Plateau. <i>Biology</i> , 2021, 10, 1261.	2.8	4
107	Nonstationary Shape Estimation in Electrical Impedance Tomography Using a Parametric Level Set-Based Extended Kalman Filter Approach. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 1894-1907.	4.7	40
108	Light Field Super-Resolution By Jointly Exploiting Internal and External Similarities. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020, 30, 2604-2616.	8.3	29

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109	Combustion of single particles from sewage sludge/pine sawdust and sewage sludge/bituminous coal under oxy-fuel conditions with steam addition. <i>Waste Management</i> , 2020, 101, 1-8.	7.4	30
110	Interferometric measurement of freeform surfaces using irregular subaperture stitching. <i>Measurement Science and Technology</i> , 2020, 31, 055202.	2.6	6
111	Comparative study on characteristics of soot from n-decane and RP-3 kerosene normal/inverse diffusion flames. <i>Journal of the Energy Institute</i> , 2020, 93, 62-75.	5.3	21
112	Quadtree-Based Coding Framework for High-Density Camera Array-Based Light Field Image. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020, 30, 2694-2708.	8.3	5
113	The study of co-combustion characteristics of coal and microalgae by single particle combustion and TGA methods. <i>Journal of the Energy Institute</i> , 2020, 93, 508-517.	5.3	34
114	Deep Learning-Based Technology in Responses to the Joint Call for Proposals on Video Compression With Capability Beyond HEVC. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020, 30, 1267-1280.	8.3	31
115	Deep Learning-Based Classification of Liver Cancer Histopathology Images Using Only Global Labels. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 1643-1651.	6.3	71
116	Frank-Wolfe Network: An Interpretable Deep Structure for Non-Sparse Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020, 30, 3068-3080.	8.3	8
117	iWave: CNN-Based Wavelet-Like Transform for Image Compression. <i>IEEE Transactions on Multimedia</i> , 2020, 22, 1667-1679.	7.2	42
118	Promising zirconia-mixed Al-based nitrogen carriers for chemical looping of NH ₃ : Reduced NH ₃ decomposition and improved NH ₃ yield. <i>Fuel</i> , 2020, 264, 116821.	6.4	24
119	Soot formation and combustion characteristics in confined mesoscale combustors under conventional and oxy-combustion conditions (O ₂ /N ₂ and O ₂ /CO ₂). <i>Fuel</i> , 2020, 264, 116808.	6.4	13
120	Character-Oriented Video Summarization With Visual and Textual Cues. <i>IEEE Transactions on Multimedia</i> , 2020, 22, 2684-2697.	7.2	11
121	Detection of Chlorophyll a and CDOM Absorption Coefficient with a Dual-Wavelength Oceanic Lidar: Wavelength Optimization Method. <i>Remote Sensing</i> , 2020, 12, 3021.	4.0	5
122	States, Trends, and Future of Aquaponics Research. <i>Sustainability</i> , 2020, 12, 7783.	3.2	10
123	Surface Reconstruction and Phase Transition on Vanadium-Cobalt-Iron Trimetal Nitrides to Form Active Oxyhydroxide for Enhanced Electrocatalytic Water Oxidation. <i>Advanced Energy Materials</i> , 2020, 10, 2002464.	19.5	155
124	Highly improved electrocatalytic activity of NiS _x : Effects of Cr-doping and phase transition. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118721.	20.2	68
125	Nanoscale inspection on carbon particles from commercial RP-3 kerosene combustion with different dilutions. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 959-972.	2.1	4
126	Comparative study on soot characteristics of non-swirling and swirling inverse diffusion iso-octane flames with biofuel 2,5-dimethylfuran addition. <i>Journal of the Energy Institute</i> , 2020, 93, 2108-2123.	5.3	3

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127	Using Coal Coke for N-Sorption with an Al-based Nitrogen Carrier during Chemical Looping Ammonia Generation. <i>Energy & Fuels</i> , 2020, 34, 12527-12534.	5.1	7
128	A Comprehensive Benchmark for Single Image Compression Artifact Reduction. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 7845-7860.	9.8	34
129	Circuits and Systems Issues in Power Electronics Penetrated Power Grid. <i>IEEE Open Journal of Circuits and Systems</i> , 2020, 1, 140-156.	1.9	43
130	Performance Evaluation of Spaceborne Integrated Path Differential Absorption Lidar for Carbon Dioxide Detection at 1572 nm. <i>Remote Sensing</i> , 2020, 12, 2570.	4.0	6
131	Fault Diagnosis of Rotating Machinery Based on Convolutional Neural Network and Singular Value Decomposition. <i>Shock and Vibration</i> , 2020, 2020, 1-13.	0.6	5
132	A Semianalytic Monte Carlo Simulator for Spaceborne Oceanic Lidar: Framework and Preliminary Results. <i>Remote Sensing</i> , 2020, 12, 2820.	4.0	11
133	Nitrogen, Sulfur Co-Doped Hierarchically Porous Carbon as a Metal-Free Electrocatalyst for Oxygen Reduction and Carbon Dioxide Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44578-44587.	8.0	69
134	Comparative Study on Soot Reduction, Soot Nanostructure and Oxidation Reactivity of n-heptane/DMC and Isooctane/DMC Inverse Diffusion Flames. <i>Journal of Thermal Science</i> , 2020, 29, 1269-1281.	1.9	3
135	Multiple Features Fusion Attention Mechanism Enhanced Deep Knowledge Tracing for Student Performance Prediction. <i>IEEE Access</i> , 2020, 8, 194894-194903.	4.2	22
136	Partition-Aware Adaptive Switching Neural Networks for Post-Processing in HEVC. <i>IEEE Transactions on Multimedia</i> , 2020, 22, 2749-2763.	7.2	38
137	PLD-fabricated perovskite oxide nanofilm as efficient electrocatalyst with highly enhanced water oxidation performance. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 119046.	20.2	29
138	<p><p>Contribution to the knowledge of the ptyctimous mite genus Austrophthiracarus (Acari, Oribatida, Steganacaridae) with descriptions of two new species from China</p>.</p> <i>Zootaxa</i> , 2020, 4786, 138-144.	0.5	0
139	Block Copolymer Electrolytes with Excellent Properties in a Wide Temperature Range. <i>ACS Applied Energy Materials</i> , 2020, 3, 6536-6543.	5.1	16
140	A facile approach to high-performance trifunctional electrocatalysts by substrate-enhanced electroless deposition of Pt/NiO/Ni on carbon nanotubes. <i>Nanoscale</i> , 2020, 12, 14615-14625.	5.6	32
141	Soot particles diagnostics in ethylene inverse diffusion flame blending with biodiesel surrogates of saturated methyl butyrate and unsaturated methyl crotonate. <i>Fuel Processing Technology</i> , 2020, 202, 106379.	7.2	16
142	A compact Cas9 ortholog from <i>Staphylococcus Auricularis</i> (SauriCas9) expands the DNA targeting scope. <i>PLoS Biology</i> , 2020, 18, e3000686.	5.6	96
143	Construction of Nighttime Cloud Layer Height and Classification of Cloud Types. <i>Remote Sensing</i> , 2020, 12, 668.	4.0	7
144	Graph-Based Non-Convex Low-Rank Regularization for Image Compression Artifact Reduction. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 5374-5385.	9.8	15

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145	Compressed Image Restoration via Artifacts-Free PCA Basis Learning and Adaptive Sparse Modeling. IEEE Transactions on Image Processing, 2020, 29, 7399-7413.	9.8	12
146	Ultrathin-metal-film-based transparent electrodes with relative transmittance surpassing 100%. Nature Communications, 2020, 11, 3367.	12.8	123
147	High-performance mesoporous (AlN/Al ₂ O ₃) for enhanced NH ₃ yield during chemical looping ammonia generation technology. International Journal of Hydrogen Energy, 2020, 45, 9903-9913.	7.1	23
148	Robust Deep Co-Saliency Detection With Group Semantic and Pyramid Attention. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1-11.	11.3	25
149	Global pattern of studies on phosphorus at watershed scale. Environmental Science and Pollution Research, 2020, 27, 14872-14882.	5.3	5
150	Nitrogen-rich holey graphene for efficient oxygen reduction reaction. Carbon, 2020, 162, 66-73.	10.3	71
151	Formation and nanoscale-characteristics of soot from pyrolysis of ethylene blended with ethanol/dimethyl ether. Journal of the Energy Institute, 2020, 93, 1288-1304.	5.3	7
152	Zero-Shot Depth Estimation From Light Field Using A Convolutional Neural Network. IEEE Transactions on Computational Imaging, 2020, 6, 682-696.	4.4	40
153	Soot formation and evolution in RP-3 kerosene inverse diffusion flames: Effects of flow rates and dimethyl carbonate additions. Fuel, 2020, 273, 117732.	6.4	15
154	Thermodynamic and economic analyses of a coal and biomass indirect coupling power generation system. Frontiers in Energy, 2020, 14, 590-606.	2.3	5
155	Automatic estimation of dairy cattle body condition score from depth image using ensemble model. Biosystems Engineering, 2020, 194, 16-27.	4.3	27
156	A molding method of Na ₂ CO ₃ /Al ₂ O ₃ sorbents with high sphericity and low roughness for enhanced attrition resistance in CO ₂ sorption/desorption process via extrusion-spheronization method. Powder Technology, 2020, 366, 520-526.	4.2	9
157	Effects of Magnetic Fields on Morphology and Nanostructure Evolution of Incipient Soot Particles from n-heptane/2,5-dimethylfuran Inverse Diffusion Flames. Journal of Thermal Science, 2020, 29, 820-839.	1.9	4
158	Stability analysis of hydropower units under full operating conditions considering turbine nonlinearity. Renewable Energy, 2020, 154, 723-742.	8.9	32
159	A computer vision-based method for spatial-temporal action recognition of tail-biting behaviour in group-housed pigs. Biosystems Engineering, 2020, 195, 27-41.	4.3	70
160	Morphology and Nanostructure Transitions of Soot with Various Dimethyl Ether Additions in Nonpremixed Ethylene Flames at Different Scales. Energy & Fuels, 2020, 34, 16705-16719.	5.1	14
161	Instrument response effects on the retrieval of oceanic lidar. Applied Optics, 2020, 59, C21.	1.8	7
162	The <i>Slc4a2b</i> gene is required for hair cell development in zebrafish. Aging, 2020, 12, 18804-18821.	3.1	41

#	ARTICLE	IF	CITATIONS
163	<p class="Body">New findings of ptyctimous mites of the family Steganacaridae (Acari, Oribatida, Phthiracaroida) from Yunnan Province, Southwest China</p><p>. Systematic and Applied Acarology, 2020, 25, 658-667.</p>	0.5	1
164	Neuronal Population Reconstruction From Ultra-Scale Optical Microscopy Images via Progressive Learning. IEEE Transactions on Medical Imaging, 2020, 39, 4034-4046.	8.9	14
165	The Network Representation Learning Algorithm Based on Semi-Supervised Random Walk. IEEE Access, 2020, 8, 222956-222965.	4.2	4
166	Arphthnicarus olszanowskii sp. nov. (Acari: Oribatida: Steganacaridae) from Tibet, China with a Key to Known Species of Arphthnicarus from the Palaearctic and Oriental Regions. Annales Zoologici, 2020, 70, .	0.8	0
167	Semisupervised Community Preserving Network Embedding with Pairwise Constraints. Complexity, 2020, 2020, 1-14.	1.6	1
168	Detailed investigation of the iterative analysis for inertial confinement fusion target characterization. Applied Optics, 2020, 59, 10880.	1.8	1
169	A Parametric Level Set-Based Approach to Difference Imaging in Electrical Impedance Tomography. IEEE Transactions on Medical Imaging, 2019, 38, 145-155.	8.9	57
170	EFFECTS OF NITRITE ANIONS ON SURFACE PASSIVE FILM PROPERTIES FOR Q235 CARBON STEELS. Surface Review and Letters, 2019, 26, 1850218.	1.1	14
171	Lidar Remote Sensing of Seawater Optical Properties: Experiment and Monte Carlo Simulation. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9489-9498.	6.3	33
172	Transparent Perfect Microwave Absorber Employing Asymmetric Resonance Cavity. Advanced Science, 2019, 6, 1901320.	11.2	40
173	Side-chain effects on the properties of highly branched imidazolium-functionalized copolymer anion exchange membranes. Applied Surface Science, 2019, 493, 1306-1316.	6.1	29
174	Nanowire Photoelectrochemistry. Chemical Reviews, 2019, 119, 9221-9259.	47.7	158
175	Cascading Failure of Cyber-Coupled Power Systems Considering Interactions Between Attack and Defense. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4323-4336.	5.4	32
176	Validation of the Analytical Model of Oceanic Lidar Returns: Comparisons with Monte Carlo Simulations and Experimental Results. Remote Sensing, 2019, 11, 1870.	4.0	19
177	Detection of aggressive behaviours in pigs using a RealSense depth sensor. Computers and Electronics in Agriculture, 2019, 166, 105003.	7.7	48
178	<p class="Body">Contribution to the knowledge of the oribatid mite genus</p><p>Apoplophora (Acari, Oribatida, Apoplophoridae) with description of a new species from China</p><p>. Systematic and Applied Acarology, 2019, 24, 1911-1917.</p>	0.5	0
179	Micro- and nano-structure evolution of soot from isooctane and 2,5-dimethylfuran flames in photocatalytic degradation. Fullerenes Nanotubes and Carbon Nanostructures, 2019, 27, 978-993.	2.1	4
180	Facile Synthesis of FeS@C Particles Toward High-Performance Anodes for Lithium-Ion Batteries. Nanomaterials, 2019, 9, 1467.	4.1	5

#	ARTICLE	IF	CITATIONS
181	Cobalt/titanium nitride@N-doped carbon hybrids for enhanced electrocatalytic hydrogen evolution and supercapacitance. <i>New Journal of Chemistry</i> , 2019, 43, 14518-14526.	2.8	17
182	Hoplophthiracarus sidorchukae sp. nov. (Acari, Oribatida, Phthiracaridae) from the North Island, New Zealand. <i>Zootaxa</i> , 2019, 4647, 226-230.	0.5	2
183	A semianalytic Monte Carlo radiative transfer model for polarized oceanic lidar: Experiment-based comparisons and multiple scattering effects analyses. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 237, 106638.	2.3	21
184	Nanostructure and reactivity of nascent carbon particles from 2,5-dimethylfuran/n-heptane swirling inverse diffusion flames. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019, 27, 106-119.	2.1	6
185	Synthesis of carbon nanotubes on metal mesh in inverse diffusion biofuel flames. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019, 27, 77-86.	2.1	6
186	Inverse radiation problem of multi-nanoparticles temperature and concentration fields reconstruction in nanofluid fuel flame. <i>Optik</i> , 2019, 181, 81-91.	2.9	4
187	Spherical Coordinates Transform-Based Motion Model for Panoramic Video Coding. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2019, 9, 98-109.	3.6	15
188	A Moving Morphable Components Based Shape Reconstruction Framework for Electrical Impedance Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2937-2948.	8.9	44
189	Influences of NH ₄ ⁺ ions and thin electrolyte layers (TEL) thickness on the corrosion behavior of AZ91D magnesium alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 2088-2102.	1.5	1
190	Highly branched poly(arylene ether)/surface functionalized fullerene-based composite membrane electrolyte for DMFC applications. <i>International Journal of Energy Research</i> , 2019, 43, 3756-3767.	4.5	24
191	Robustness Assessment and Enhancement of Power Grids From a Complex Network's Perspective Using Decision Trees. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019, 66, 833-837.	3.0	8
192	Invertibility-Driven Interpolation Filter for Video Coding. <i>IEEE Transactions on Image Processing</i> , 2019, 28, 4912-4925.	9.8	18
193	Novel nanoscale control on soot formation by local CO ₂ micro-injection in ethylene inverse diffusion flames. <i>Energy</i> , 2019, 179, 697-708.	8.8	16
194	Selective photoelectrochemical oxidation of glycerol to high value-added dihydroxyacetone. <i>Nature Communications</i> , 2019, 10, 1779.	12.8	185
195	B-Spline-Based Sharp Feature Preserving Shape Reconstruction Approach for Electrical Impedance Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2533-2544.	8.9	41
196	Deficiency of mitophagy receptor FUNDC1 impairs mitochondrial quality and aggravates dietary-induced obesity and metabolic syndrome. <i>Autophagy</i> , 2019, 15, 1882-1898.	9.1	131
197	Fabricating I doped TiO ₂ photoelectrode for the degradation of diclofenac: Performance and mechanism study. <i>Chemical Engineering Journal</i> , 2019, 369, 968-978.	12.7	37
198	Traffic surveillance video coding with libraries of vehicles and background. <i>Journal of Visual Communication and Image Representation</i> , 2019, 60, 426-440.	2.8	14

#	ARTICLE	IF	CITATIONS
199	Enhanced Corrosion Resistance and Photocatalytic Properties of Bi ₂ O ₃ /Phosphate Composite Film Prepared on AZ91D Magnesium Alloy by Phosphating. <i>International Journal of Electrochemical Science</i> , 2019, , 1434-1450.	1.3	4
200	Effects of water addition on soot properties in ethylene inverse diffusion flames. <i>Fuel</i> , 2019, 247, 187-197.	6.4	47
201	Expression analysis of the aquaporins during zebrafish embryonic development. <i>Gene Expression Patterns</i> , 2019, 32, 38-43.	0.8	8
202	Breaking the symmetry: Gradient in NiFe layered double hydroxide nanoarrays for efficient oxygen evolution. <i>Nano Energy</i> , 2019, 60, 661-666.	16.0	52
203	Chemical Approaches to Carbon-Based Metal-Free Catalysts. <i>Advanced Materials</i> , 2019, 31, e1804863.	21.0	90
204	Noncontact direct temperature and concentration profiles measurement of soot and metal-oxide nanoparticles in optically thin/thick nanofluid fuel flames. <i>International Journal of Heat and Mass Transfer</i> , 2019, 134, 237-249.	4.8	11
205	A Statistical Shape-Constrained Reconstruction Framework for Electrical Impedance Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2400-2410.	8.9	49
206	Plonaphacarus species (Acari, Oribatida, Phthiracaridae) from China with descriptions of two new species and a key to Chinese species. <i>Systematic and Applied Acarology</i> , 2019, 24, 251.	0.5	3
207	Zebrafish Embryo Vessel Segmentation Using a Novel Dual ResUNet Model. <i>Computational Intelligence and Neuroscience</i> , 2019, 2019, 1-14.	1.7	10
208	Accurate Parameter Estimation of a Hydro-Turbine Regulation System Using Adaptive Fuzzy Particle Swarm Optimization. <i>Energies</i> , 2019, 12, 3903.	3.1	14
209	Analysis of global three-dimensional aerosol structure with spectral radiance matching. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 6541-6556.	3.1	6
210	Detrimental Effects and Prevention of Acidic Electrolytes on Oxygen Reduction Reaction Catalytic Performance of Heteroatom-Doped Graphene Catalysts. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	6
211	The effects of Bi ₂ O ₃ on the selective catalytic reduction of NO by propylene over Co ₃ O ₄ nanoplates. <i>RSC Advances</i> , 2019, 9, 32232-32239.	3.6	10
212	STING directly activates autophagy to tune the innate immune response. <i>Cell Death and Differentiation</i> , 2019, 26, 1735-1749.	11.2	247
213	Experimental study on soot formation, evolution and characteristics of diffusion ethylene/air flames in T-shaped mesoscale combustors. <i>Fuel</i> , 2019, 241, 138-154.	6.4	18
214	NiFe Hydroxide Lattice Tensile Strain: Enhancement of Adsorption of Oxygenated Intermediates for Efficient Water Oxidation Catalysis. <i>Angewandte Chemie</i> , 2019, 131, 746-750.	2.0	55
215	Clustered Regularly Interspaced Short Palindromic Repeats (CRISPR)/Cas9-mediated <i>kif15</i> mutations accelerate axonal outgrowth during neuronal development and regeneration in zebrafish. <i>Traffic</i> , 2019, 20, 71-81.	2.7	15
216	Genetic Dissection of Fe-Dependent Signaling in Root Developmental Responses to Phosphate Deficiency. <i>Plant Physiology</i> , 2019, 179, 300-316.	4.8	72

#	ARTICLE	IF	CITATIONS
217	One-for-All: Grouped Variation Network-Based Fractional Interpolation in Video Coding. IEEE Transactions on Image Processing, 2019, 28, 2140-2151.	9.8	55
218	Use of nanoparticles Cu/TiO(OH) ₂ for CO ₂ removal with K ₂ CO ₃ /KHCO ₃ based solution: enhanced thermal conductivity and reaction kinetics enhancing the CO ₂ sorption/desorption performance of K ₂ CO ₃ /KHCO ₃ ., 2019, 9, 10-18.		4
219	Dominant-Current Deep Learning Scheme for Electrical Impedance Tomography. IEEE Transactions on Biomedical Engineering, 2019, 66, 2546-2555.	4.2	109
220	A ribosomal DNA-hosted microRNA regulates zebrafish embryonic angiogenesis. Angiogenesis, 2019, 22, 211-221.	7.2	11
221	Treatment of efficiency for temperature and concentration profiles reconstruction of soot and metal-oxide nanoparticles in nanofluid fuel flames. International Journal of Heat and Mass Transfer, 2019, 133, 494-499.	4.8	4
222	Mesoporous Carbon and Ceria Nanoparticles Composite Modified Electrode for the Simultaneous Determination of Hydroquinone and Catechol. Nanomaterials, 2019, 9, 54.	4.1	14
223	Misalignment correction for free-form surface in non-null interferometric testing. Optics Communications, 2019, 437, 204-213.	2.1	6
224	Influence of self-absorption on reconstruction accuracy for temperature and concentration profiles of soot and metal-oxide nanoparticles in asymmetric nanofluid fuel flames. Optik, 2019, 178, 740-751.	2.9	5
225	Prescribed Performance Model-Free Adaptive Integral Sliding Mode Control for Discrete-Time Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2222-2230.	11.3	63
226	Convolutional Neural Network-Based Block Up-Sampling for HEVC. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 3701-3715.	8.3	46
227	Feature extraction of rotor fault based on EEMD and curve code. Measurement: Journal of the International Measurement Confederation, 2019, 135, 712-724.	5.0	35
228	Learning a Convolutional Neural Network for Image Compact-Resolution. IEEE Transactions on Image Processing, 2019, 28, 1092-1107.	9.8	87
229	Convolutional Neural Network-Based Fractional-Pixel Motion Compensation. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 840-853.	8.3	64
230	Reference Clip for Inter Prediction in Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 130-143.	8.3	6
231	Data-Driven Adaptive Sliding Mode Control of Nonlinear Discrete-Time Systems With Prescribed Performance. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2598-2604.	9.3	59
232	Design of a high-spectral-resolution lidar for atmospheric temperature measurement down to the near ground. Applied Optics, 2019, 58, 9651.	1.8	9
233	Performance estimation of space-borne high-spectral-resolution lidar for cloud and aerosol optical properties at 532 nm. Optics Express, 2019, 27, A481.	3.4	19
234	Phase function effects on the retrieval of oceanic high-spectral-resolution lidar. Optics Express, 2019, 27, A654.	3.4	14

#	ARTICLE	IF	CITATIONS
235	Retrieving the microphysical properties of opaque liquid water clouds from CALIOP measurements. <i>Optics Express</i> , 2019, 27, 34126.	3.4	5
236	Universal phase reconstruction approach of self-calibrating phase-shifting interferometry. <i>Optics Letters</i> , 2019, 44, 3857.	3.3	9
237	Multiple scattering effects on the return spectrum of oceanic high-spectral-resolution lidar. <i>Optics Express</i> , 2019, 27, 30204.	3.4	4
238	A Parametric Level Set Method for Electrical Impedance Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 451-460.	8.9	70
239	Image Denoising via Low Rank Regularization Exploiting Intra and Inter Patch Correlation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018, 28, 3321-3332.	8.3	20
240	Metastasis-associated miR-23a from nasopharyngeal carcinoma-derived exosomes mediates angiogenesis by repressing a novel target gene TSGA10. <i>Oncogene</i> , 2018, 37, 2873-2889.	5.9	154
241	Hypoxia-Induced Matrix Metalloproteinase-13 Expression in Exosomes from Nasopharyngeal Carcinoma Enhances Metastases. <i>Cell Death and Disease</i> , 2018, 9, 382.	6.3	92
242	Three-dimensional BiOI/TiO ₂ heterostructures with photocatalytic activity under visible light irradiation. <i>Journal of Porous Materials</i> , 2018, 25, 1805-1812.	2.6	18
243	Effects of swirling combustion on soot characteristics in 2,5-dimethylfuran/n-heptane diffusion flames. <i>Applied Thermal Engineering</i> , 2018, 139, 11-24.	6.0	26
244	Direct simultaneous reconstruction for temperature and concentration profiles of soot and metal-oxide nanoparticles in nanofluid fuel flames by a CCD camera. <i>International Journal of Heat and Mass Transfer</i> , 2018, 124, 564-575.	4.8	17
245	Nanostructure and reactivity of carbon particles from co-pyrolysis of biodiesel surrogate methyl octanoate blended with n-butanol. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 278-290.	2.1	17
246	SpyCatcher-N ^{TEV} : A Circularly Permuted, Disordered SpyCatcher Variant for Less Trace Ligation. <i>Bioconjugate Chemistry</i> , 2018, 29, 1622-1629.	3.6	14
247	Thermodynamic and economic analyses of a novel coal pyrolysis "gasification" combustion staged conversion utilization polygeneration system. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2018, 13, e2171.	1.5	15
248	Study of Sewage Sludge/Coal Co-Combustion by Thermogravimetric Analysis and Single Particle Co-Combustion Method. <i>Energy & Fuels</i> , 2018, 32, 6300-6308.	5.1	24
249	Effects of self-absorption on simultaneous estimation of temperature distribution and concentration fields of soot and metal-oxide nanoparticles in nanofluid fuel flames using a spectrometer. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 212, 149-159.	2.3	11
250	Fast Image Super-Resolution via Local Adaptive Gradient Field Sharpening Transform. <i>IEEE Transactions on Image Processing</i> , 2018, 27, 1966-1980.	9.8	31
251	Effects of Flame Configuration and Soot Aging on Soot Nanostructure and Reactivity in n-Butanol-Doped Ethylene Diffusion Flames. <i>Energy & Fuels</i> , 2018, 32, 607-624.	5.1	38
252	A Conductive Binder for High-Performance Sn Electrodes in Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1672-1677.	8.0	40

#	ARTICLE	IF	CITATIONS
253	Soot reduction by addition of dimethyl carbonate in normal and inverse ethylene diffusion flames: Nanostructural evidence. <i>Journal of Environmental Sciences</i> , 2018, 72, 107-117.	6.1	25
254	Improvement in the mechanical properties, proton conductivity, and methanol resistance of highly branched sulfonated poly(arylene ether)/graphene oxide grafted with flexible alkylsulfonated side chains nanocomposite membranes. <i>Journal of Power Sources</i> , 2018, 378, 451-459.	7.8	46
255	Energy conversion and ignition of fluffy graphene by flash light. <i>Energy</i> , 2018, 144, 669-678.	8.8	13
256	Functionalization of graphene materials by heteroatom-doping for energy conversion and storage. <i>Progress in Natural Science: Materials International</i> , 2018, 28, 121-132.	4.4	148
257	Enhanced visible light photoelectrocatalytic degradation of organic contaminants by F and Sn co-doped TiO ₂ photoelectrode. <i>Chemical Engineering Journal</i> , 2018, 344, 332-341.	12.7	62
258	100 MW Peak Power Picosecond Laser Based on Hybrid End-Pumped Nd:YVO ₄ and Side-Pumped Nd:YAG Amplifiers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018, 24, 1-7.	2.9	12
259	On the treatment of self-absorption for temperature and concentration profiles reconstruction accuracy for soot and metal-oxide nanoparticles in nanofluid fuel flame using a CCD camera. <i>Optik</i> , 2018, 164, 114-125.	2.9	14
260	Effects of carbon nanotubes additions on flash ignition characteristics of Fe and Al nanoparticles. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 168-174.	2.1	9
261	An Efficient Four-Parameter Affine Motion Model for Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018, 28, 1934-1948.	8.3	73
262	A Three-Dimensional Culture System with Matrigel Promotes Purified Spiral Ganglion Neuron Survival and Function In Vitro. <i>Molecular Neurobiology</i> , 2018, 55, 2070-2084.	4.0	46
263	Convolutional Neural Network-Based Block Up-Sampling for Intra Frame Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018, 28, 2316-2330.	8.3	103
264	Rotating a half-wave plate by 45°: An ideal calibration method for the gain ratio in polarization lidars. <i>Optics Communications</i> , 2018, 407, 361-366.	2.1	5
265	Mechanism of core discing in the relaxation zone around an underground opening under high in situ stresses. <i>Bulletin of Engineering Geology and the Environment</i> , 2018, 77, 1179-1189.	3.5	11
266	Soot in flame-wall interactions: Views from nanostructure and reactivity. <i>Fuel</i> , 2018, 212, 117-131.	6.4	20
267	Inverse radiation analysis for simultaneous reconstruction of temperature and volume fraction fields of soot and metal-oxide nanoparticles in a nanofluid fuel sooting flame. <i>International Journal of Heat and Mass Transfer</i> , 2018, 118, 1080-1089.	4.8	35
268	pH-sensitive zwitterionic coating of gold nanocages improves tumor targeting and photothermal treatment efficacy. <i>Nano Research</i> , 2018, 11, 3193-3204.	10.4	53
269	Contribution to the knowledge of the oribatid mite genus <i>Mesoplophora</i> (Acari: Oribatida): Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 1215-1221.	1.5	0
270	Effects of hydrogen addition on nanostructure and reactivity of carbon particles in flame-wall interactions. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 756-764.	2.1	7

#	ARTICLE	IF	CITATIONS
271	An Intrinsically Disordered Peptide-Peptide Stapler for Highly Efficient Protein Ligation Both <i>in Vivo</i> and <i>in Vitro</i> . <i>Journal of the American Chemical Society</i> , 2018, 140, 17474-17483.	13.7	36
272	Reply to Comments by Jia Yue on "Global Distribution and Variations of NO Infrared Radiative Flux and Its Responses to Solar Activity and Geomagnetic Activity in the Thermosphere". <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 10,419.	2.4	0
273	Combustion characteristics and synergy behaviors of biomass and coal blending in oxy-fuel conditions: A single particle co-combustion method. <i>Science China Technological Sciences</i> , 2018, 61, 1723-1731.	4.0	14
274	Two new species of the genus <i>Indotritia</i> (Acari, Oribatida, Oribotritiidae) from China with a key to Chinese species. <i>Systematic and Applied Acarology</i> , 2018, 23, 1879.	0.5	1
275	<i>Phthiracarus</i> species (Acari, Oribatida, Phthiracaridae) from Northeast China with descriptions of two new species and a key to Chinese species. <i>Systematic and Applied Acarology</i> , 2018, 23, 1817.	0.5	1
276	New Zealand <i>Austrophthiracarus</i> (Acari, Oribatida, Steganacaridae): two new species from the North Island. <i>Zootaxa</i> , 2018, 4500, 443.	0.5	3
277	MIB1 mutations reduce Notch signaling activation and contribute to congenital heart disease. <i>Clinical Science</i> , 2018, 132, 2483-2491.	4.3	23
278	Two new species of the genus <i>Mesotritia</i> (Acari: Oribatida: Oribotritiidae) from China. <i>International Journal of Acarology</i> , 2018, 44, 395-399.	0.7	2
279	Effects of an electrospun fluorinated poly(ether ether ketone) separator on the enhanced safety and electrochemical properties of lithium ion batteries. <i>Electrochimica Acta</i> , 2018, 290, 150-164.	5.2	48
280	Nanoscale Characteristics and Reactivity of Nascent Soot from n-Heptane/2,5-Dimethylfuran Inverse Diffusion Flames with/without Magnetic Fields. <i>Energies</i> , 2018, 11, 1698.	3.1	19
281	Study on healing technique for weak interlayer and related mechanical properties based on microbially-induced calcium carbonate precipitation. <i>PLoS ONE</i> , 2018, 13, e0203834.	2.5	8
282	Simultaneous reconstruction of temperature and concentration profiles of soot and metal-oxide nanoparticles in asymmetric nanofluid fuel flames by inverse analysis. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 219, 174-185.	2.3	16
283	Effects of dimethyl ether addition on soot formation, evolution and characteristics in flame-wall interactions. <i>Energy</i> , 2018, 164, 642-654.	8.8	22
284	Checklist of oribatid mites (Acari, Oribatida) of the Russian Far East and Northeast of China. <i>Zootaxa</i> , 2018, 4472, 201.	0.5	14
285	Failure Mechanism of Highly Stressed Rock Mass during Unloading Based on the Stress Arch Theory. <i>International Journal of Geomechanics</i> , 2018, 18, 04018146.	2.7	9
286	Semi-Supervised Community Detection Based on Distance Dynamics. <i>IEEE Access</i> , 2018, 6, 37261-37271.	4.2	23
287	Novel design of photoelectrochemical device by dual BiVO ₄ photoelectrode with abundant oxygen vacancy. <i>Science Bulletin</i> , 2018, 63, 1027-1028.	9.0	4
288	Branched comb-shaped poly(arylene ether sulfone)s containing flexible alkyl imidazolium side chains as anion exchange membranes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10879-10890.	10.3	88

#	ARTICLE	IF	CITATIONS
289	Mesoporous implantable Pt/SrTiO ₃ :C,N nanocuboids delivering enhanced photocatalytic H ₂ -production activity via plasmon-induced interfacial electron transfer. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 338-347.	20.2	35
290	Nanostructure evolution and reactivity of nascent soot from inverse diffusion flames in CO ₂ , N ₂ , and He atmospheres. <i>Carbon</i> , 2018, 139, 172-180.	10.3	66
291	Reconstruction model for temperature and concentration profiles of soot and metal-oxide nanoparticles in a nanofluid fuel flame by using a CCD camera. <i>Chinese Physics B</i> , 2018, 27, 054401.	1.4	13
292	Spatial distribution patterns of soil mite communities and their relationships with edaphic factors in a 30-year tillage cornfield in northeast China. <i>PLoS ONE</i> , 2018, 13, e0199093.	2.5	6
293	Effects of alkali and alkaline earth metal species on the combustion characteristics of single particles from pine sawdust and bituminous coal. <i>Bioresource Technology</i> , 2018, 268, 278-285.	9.6	47
294	Catalogue of ptyctimous mites (Acari, Oribatida) of the world. <i>Zootaxa</i> , 2018, 4393, 1.	0.5	33
295	Assessing the depolarization capabilities of nonspherical particles in a super-ellipsoidal shape space. <i>Optics Express</i> , 2018, 26, 1726.	3.4	57
296	ICF target DT-layer refractive index and thickness from iterative analysis. <i>Optics Express</i> , 2018, 26, 17781.	3.4	6
297	N-desorption or NH ₃ generation of TiO ₂ -loaded Al-based nitrogen carrier during chemical looping ammonia generation technology. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16589-16597.	7.1	31
298	Effects of branching structures on the properties of phosphoric acid-doped polybenzimidazole as a membrane material for high-temperature proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16694-16703.	7.1	44
299	Dimethyl Carbonate as a Promising Oxygenated Fuel for Combustion: A Review. <i>Energies</i> , 2018, 11, 1552.	3.1	70
300	Four-layer metallodielectric emitter for spectrally selective near-field radiative transfer in nano-gap thermophotovoltaics. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 217, 235-242.	2.3	13
301	The Preparation, Characterization and Formation Mechanism of a Calcium Phosphate Conversion Coating on Magnesium Alloy AZ91D. <i>Materials</i> , 2018, 11, 908.	2.9	22
302	The expression of natriuretic peptide receptors in developing zebrafish embryos. <i>Gene Expression Patterns</i> , 2018, 29, 65-71.	0.8	12
303	Seed-Surface Grafting Precipitation Polymerization for Preparing Microsized Optically Active Helical Polymer Core/Shell Particles and Their Application in Enantioselective Crystallization. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800072.	3.9	7
304	Effects of auxiliary atmospheric state parameters on the aerosol optical properties retrieval errors of high-spectral-resolution lidar. <i>Applied Optics</i> , 2018, 57, 2627.	1.8	10
305	Dry Reforming of Shale Gas and Carbon Dioxide with Ni ₂ O ₃ Catalyst: Syngas Production Enhanced over Ni _x CO _x Formation. <i>ChemCatChem</i> , 2018, 10, 4689-4698.	3.7	31
306	Synthesis of Amorphous Carbon Film in Ethanol Inverse Diffusion Flames. <i>Nanomaterials</i> , 2018, 8, 656.	4.1	4

#	ARTICLE	IF	CITATIONS
307	Planar Metasurfaces Enable High-Efficiency Colored Perovskite Solar Cells. <i>Advanced Science</i> , 2018, 5, 1800836.	11.2	33
308	Healing Technique for Rock Cracks Based on Microbiologically Induced Calcium Carbonate Mineralization. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, .	2.9	7
309	A Parametric Level set Method for Imaging Multiphase Conductivity Using Electrical Impedance Tomography. <i>IEEE Transactions on Computational Imaging</i> , 2018, 4, 552-561.	4.4	41
310	First-principles and experimental studies of $[\text{ZrO}(\text{OH})]^{2+}$ or $\text{ZrO}(\text{OH})_2$ for enhancing CO_2 desorption kinetics – imperative for significant reduction of CO_2 capture energy consumption. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17671-17681.	10.3	13
311	Relationship between the effective attenuation coefficient of spaceborne lidar signal and the IOPs of seawater. <i>Optics Express</i> , 2018, 26, 30278.	3.4	19
312	A pressure-tuned field-widened Michelson interferometer system as the spectroscopic filter of high-spectral-resolution lidar. , 2018, , .		0
313	Structure of Macrobenthic Assemblages and Its Relationship with Environmental Variables in the East China Sea of Xiangshan. <i>Pakistan Journal of Zoology</i> , 2018, 51, .	0.2	0
314	Reflectance Reference for Intra-Frame Coding of Surveillance Video. <i>Lecture Notes in Computer Science</i> , 2018, , 481-491.	1.3	1
315	A Convolutional Neural Network Approach for Post-Processing in HEVC Intra Coding. <i>Lecture Notes in Computer Science</i> , 2017, , 28-39.	1.3	211
316	Effects of multi-orifice configurations of the quench plate on mixing characteristics of the quench zone in an RQL-TVC model. <i>Experimental Thermal and Fluid Science</i> , 2017, 83, 57-68.	2.7	27
317	Motives Matter: Motives for Playing Pokémon Go and Implications for Well-Being. <i>Cyberpsychology, Behavior, and Social Networking</i> , 2017, 20, 52-57.	3.9	100
318	Geochronology and geochemistry of the Early Jurassic Yeba Formation volcanic rocks in southern Tibet: Initiation of back-arc rifting and crustal accretion in the southern Lhasa Terrane. <i>Lithos</i> , 2017, 278-281, 477-490.	1.4	89
319	Sub-nanometer planar solar absorber. <i>Nano Energy</i> , 2017, 34, 172-180.	16.0	23
320	CYP6B6 is involved in esfenvalerate detoxification in the polyphagous lepidopteran pest, <i>Helicoverpa armigera</i> . <i>Pesticide Biochemistry and Physiology</i> , 2017, 138, 51-56.	3.6	36
321	Novel conductive binder for high-performance silicon anodes in lithium ion batteries. <i>Nano Energy</i> , 2017, 36, 206-212.	16.0	178
322	Pseudo Sequence Based 2-D Hierarchical Coding Structure for Light-Field Image Compression. , 2017, , .		23
323	Accelerated simulation of the degradation process of poly(arylene ether ketone)s containing alkylsulfonated side chains used as a proton exchange membrane. <i>RSC Advances</i> , 2017, 7, 8994-9001.	3.6	9
324	Effects of butanol isomers additions on soot nanostructure and reactivity in normal and inverse ethylene diffusion flames. <i>Fuel</i> , 2017, 205, 109-129.	6.4	77

#	ARTICLE	IF	CITATIONS
325	Combustion characteristics of nanofluid fuels in a half-opening slot tube. <i>Science China Technological Sciences</i> , 2017, 60, 1075-1087.	4.0	12
326	An episomal vector-based CRISPR/Cas9 system for highly efficient gene knockout in human pluripotent stem cells. <i>Scientific Reports</i> , 2017, 7, 2320.	3.3	91
327	Catalytic pyrolysis and gasification of waste textile under carbon dioxide atmosphere with composite Zn-Fe catalyst. <i>Fuel Processing Technology</i> , 2017, 166, 115-123.	7.2	23
328	Nobleâ€Metalâ€Free Janusâ€like Structures by Cation Exchange for Zâ€Scheme Photocatalytic Water Splitting under Broadband Light Irradiation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4206-4210.	13.8	166
329	Nobleâ€Metalâ€Free Janusâ€like Structures by Cation Exchange for Zâ€Scheme Photocatalytic Water Splitting under Broadband Light Irradiation. <i>Angewandte Chemie</i> , 2017, 129, 4270-4274.	2.0	62
330	Recognizable or Not: Towards Image Semantic Quality Assessment for Compression. <i>Sensing and Imaging</i> , 2017, 18, 1.	1.5	18
331	Fine-Grained Image Recognition from Click-Through Logs Using Deep Siamese Network. <i>Lecture Notes in Computer Science</i> , 2017, , 127-138.	1.3	4
332	Understanding the mechanism of improvement in practical specific capacity using halogen substituted anthraquinones as cathode materials in lithium batteries. <i>Electrochimica Acta</i> , 2017, 224, 622-627.	5.2	9
333	Leucogranites in Lhozag, southern Tibet: Implications for the tectonic evolution of the eastern Himalaya. <i>Lithos</i> , 2017, 294-295, 246-262.	1.4	38
334	Autophagy protects auditory hair cells against neomycin-induced damage. <i>Autophagy</i> , 2017, 13, 1884-1904.	9.1	195
335	Improving triplet-wise training of convolutional neural network for vehicle re-identification. , 2017, , .		69
336	Vegfa signaling regulates diverse artery/vein formation in vertebrate vasculatures. <i>Journal of Genetics and Genomics</i> , 2017, 44, 483-492.	3.9	22
337	Fe ₂ O ₃ , a cost effective and environmentally friendly catalyst for the generation of NH ₃ â€ a future fuel â€ using a new Al ₂ O ₃ -looping based technology. <i>Chemical Communications</i> , 2017, 53, 10664-10667.	4.1	31
338	Facile Processing of Free-Standing Polyaniline/SWCNT Film as an Integrated Electrode for Flexible Supercapacitor Application. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33791-33801.	8.0	139
339	A meta-analysis of the relationship of academic performance and Social Network Site use among adolescents and young adults. <i>Computers in Human Behavior</i> , 2017, 77, 148-157.	8.5	89
340	Photoelectrocatalytic degradation of methylene blue using F doped TiO ₂ photoelectrode under visible light irradiation. <i>Chemosphere</i> , 2017, 185, 574-581.	8.2	82
341	Density functional theory and reactive dynamics study of catalytic performance of TiO ₂ on CO ₂ desorption process with KHCO ₃ /TiO ₂ /Al ₂ O ₃ sorbent. <i>Molecular Catalysis</i> , 2017, 439, 143-154.	2.0	14
342	The effects of specific surface area and ash on char gasification mechanisms in the mixture of H ₂ O, CO ₂ , H ₂ and CO. <i>Fuel</i> , 2017, 209, 109-116.	6.4	27

#	ARTICLE	IF	CITATIONS
343	A TBX5 3'UTR variant increases the risk of congenital heart disease in the Han Chinese population. <i>Cell Discovery</i> , 2017, 3, 17026.	6.7	23
344	The Big Five personality traits, Big Two metatraits and social media: A meta-analysis. <i>Journal of Research in Personality</i> , 2017, 70, 229-240.	1.7	144
345	Energy conversion and ignition of iron nanoparticles by flash. <i>Science China Technological Sciences</i> , 2017, 60, 1878-1884.	4.0	11
346	Silicon nanostructures for solar-driven catalytic applications. <i>Nano Today</i> , 2017, 17, 96-116.	11.9	63
347	The pyrolysis and gasification performances of waste textile under carbon dioxide atmosphere. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 581-591.	3.6	25
348	Pseudo-Sequence-Based 2-D Hierarchical Coding Structure for Light-Field Image Compression. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2017, 11, 1107-1119.	10.8	63
349	Two new species of the genus <i>Euphthiracarus</i> (Acari: Oribatida: Euphthiracaridae) from Hainan Island, China. <i>International Journal of Acarology</i> , 2017, 43, 450-455.	0.7	1
350	Coupled chemical effects of carbon dioxide and hydrogen additions on premixed lean dimethyl ether flames. <i>Science China Technological Sciences</i> , 2017, 60, 102-115.	4.0	8
351	New species of the family Steganacaridae (Acari, Oribatida, 10.784314 rgBT /Overlock <i>Austrophthiracarus</i> and <i>Hoplophthiracarus</i> from the Palearctic Region. <i>Systematic and Applied Acarology</i> , 2017, 22, 915.	0.5	3
352	Kinetic analysis of ethanol and dimethyl ether flames with hydrogen addition. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 3813-3823.	7.1	22
353	Expression of SoxC Transcription Factors during Zebrafish Retinal and Optic Nerve Regeneration. <i>Neuroscience Bulletin</i> , 2017, 33, 53-61.	2.9	15
354	Highly Crystalline Mesoporous Silicon Spheres for Efficient Visible Photocatalytic Hydrogen Evolution. <i>ChemNanoMat</i> , 2017, 3, 22-26.	2.8	27
355	Effects of hydrogen additions on premixed rich flames of four butanol isomers. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 3833-3841.	7.1	23
356	On the effects of hydrogen addition in premixed formaldehyde flames. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 3824-3832.	7.1	14
357	Practical retrace error correction in non-null aspheric testing: A comparison. <i>Optics Communications</i> , 2017, 383, 378-385.	2.1	17
358	3D-hybrid material design with electron/lithium-ion dual-conductivity for high-performance Li-sulfur batteries. <i>Journal of Power Sources</i> , 2017, 340, 160-166.	7.8	28
359	Generation of a <i>mef2aa:EGFP</i> transgenic zebrafish line that expresses EGFP in muscle cells. <i>Fish Physiology and Biochemistry</i> , 2017, 43, 287-294.	2.3	9
360	Block-Composed Background Reference for High Efficiency Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2017, 27, 2639-2651.	8.3	35

#	ARTICLE	IF	CITATIONS
361	A convolutional neural network approach for half-pel interpolation in video coding. , 2017, , .		45
362	On-line fall detection via a boosted cascade of hybrid features. , 2017, , .		1
363	The geochronologic and geochemical constraints on the Early Cretaceous subduction magmatism in the central Lhasa subterrane, Tibet. Geological Journal, 2017, 52, 463-475.	1.3	12
364	Fatty Acid Binding Protein 11a Is Required for Brain Vessel Integrity in Zebrafish. Frontiers in Physiology, 2017, 8, 214.	2.8	5
365	Polarization properties of receiving telescopes in atmospheric remote sensing polarization lidars. Applied Optics, 2017, 56, 6837.	1.8	12
366	Design of iodine absorption cell for high-spectral-resolution lidar. Optics Express, 2017, 25, 15913.	3.4	27
367	Generalized high-spectral-resolution lidar technique with a multimode laser for aerosol remote sensing. Optics Express, 2017, 25, 979.	3.4	10
368	Retrieving the seawater volume scattering function at the 180° scattering angle with a high-spectral-resolution lidar. Optics Express, 2017, 25, 11813.	3.4	15
369	Use of Debye series to determine the optimal edge-effect terms for computing the extinction efficiencies of spheroids. Optics Express, 2017, 25, 20298.	3.4	13
370	Nanostructure and Oxidation Reactivity of Nascent Soot Particles in Ethylene/Pentanol Flames. Energies, 2017, 10, 122.	3.1	32
371	On the Response of Nascent Soot Nanostructure and Oxidative Reactivity to Photoflash Exposure. Energies, 2017, 10, 961.	3.1	14
372	Combustion Characteristics of Single Particles from Bituminous Coal and Pine Sawdust in O ₂ /N ₂ , O ₂ /CO ₂ , and O ₂ /H ₂ O Atmospheres. Energies, 2017, 10, 1695.	3.1	35
373	Insm1a Is Required for Zebrafish Posterior Lateral Line Development. Frontiers in Molecular Neuroscience, 2017, 10, 241.	2.9	24
374	Insm1a Regulates Motor Neuron Development in Zebrafish. Frontiers in Molecular Neuroscience, 2017, 10, 274.	2.9	42
375	Fault diagnosis of rotor using EMD thresholding-based de-noising combined with probabilistic neural network. Journal of Vibroengineering, 2017, 19, 5920-5931.	1.0	16
376	Effects of a nonideal half-wave plate on the gain ratio calibration measurements in polarization lidars. Applied Optics, 2017, 56, 8100.	1.8	1
377	Three Dimensional Simulation of Electrical Impedance Tomography for Imaging Vocal Folds Within the Human Neck. Journal of Medical Imaging and Health Informatics, 2017, 7, 1509-1516.	0.3	0
378	New and little known ptyctimous mites (Acari: Oribatida) with a key to known species of Oribotritia from the Australasian Region. Biologia (Poland), 2016, 71, 917-923.	1.5	3

#	ARTICLE	IF	CITATIONS
379	Antiviral Drug Ganciclovir Is a Potent Inhibitor of the Proliferation of Müller Glia-Derived Progenitors During Zebrafish Retinal Regeneration. , 2016, 57, 1991.		9
380	Hypoxic mitophagy regulates mitochondrial quality and platelet activation and determines severity of I/R heart injury. ELife, 2016, 5, .	6.0	158
381	Design of the interferometric spectral discrimination filters for a three-wavelength high-spectral-resolution lidar. Optics Express, 2016, 24, 27622.	3.4	5
382	Social networking online and personality of self-worth: A meta-analysis. Journal of Research in Personality, 2016, 64, 79-89.	1.7	128
383	Integration of Multiple Plasmonic and Co-Catalyst Nanostructures on TiO ₂ Nanosheets for Visible-Near-Infrared Photocatalytic Hydrogen Evolution. Small, 2016, 12, 1640-1648.	10.0	136
384	Preparation of porous MoO ₂ @C nano-octahedrons from a polyoxometalate-based metal-organic framework for highly reversible lithium storage. Journal of Materials Chemistry A, 2016, 4, 12434-12441.	10.3	83
385	A Meta-Analysis of Social Networking Online and Social Capital. Review of General Psychology, 2016, 20, 369-391.	3.2	129
386	Combretastatin A-4 efficiently inhibits angiogenesis and induces neuronal apoptosis in zebrafish. Scientific Reports, 2016, 6, 30189.	3.3	18
387	Media Niche of Electronic Communication Channels in Friendship: A Meta-Analysis. Journal of Computer-Mediated Communication, 2016, 21, 451-466.	3.3	58
388	Hierarchical quadtree-based flexible block ordering in HEVC intra coding. , 2016, , .		7
389	Pd-Ag alloy hollow nanostructures with interatomic charge polarization for enhanced electrocatalytic formic acid oxidation. Nano Research, 2016, 9, 1590-1599.	10.4	102
390	The small-scale structure of a soil mite metacommunity. European Journal of Soil Biology, 2016, 74, 69-75.	3.2	15
391	Field-widened Michelson interferometer for spectral discrimination in high-spectral-resolution lidar: practical development. Optics Express, 2016, 24, 7232.	3.4	13
392	Combustion characteristics of primary reference fuels with hydrogen addition. International Journal of Hydrogen Energy, 2016, 41, 11471-11480.	7.1	23
393	95-ps all-solid-state laser with a low-power microchip laser seed and a two-stage single-pass bounce geometry amplifier. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 884.	2.1	5
394	Phthiracarusspecies (Acari: Oribatida: Phthiracaridae) from New Zealand, with description of a new species, redescription of Phthiracarus pellucidus and a key to 19 described species from the Australian Region. Journal of Natural History, 2016, 50, 1463-1472.	0.5	5
395	Pseudo-sequence-based light field image compression. , 2016, , .		130
396	Defects evaluation system for spherical optical surfaces based on microscopic scattering dark-field imaging method. Applied Optics, 2016, 55, 6162.	2.1	38

#	ARTICLE	IF	CITATIONS
397	Beam quality management by periodic reproduction of wavefront aberrations in end-pumped Nd:YVO ₄ laser amplifiers. Optics Express, 2016, 24, 8988.	3.4	8
398	Frequency locking of a field-widened Michelson interferometer based on optimal multi-harmonics heterodyning. Optics Letters, 2016, 41, 3916.	3.3	7
399	Mesoporphoroidea (Acari, Oribatida) of China. Zootaxa, 2016, 4084, 519-39.	0.5	8
400	Combining directional intra prediction and intra block copy with block partition for HEVC. , 2016, , .		6
401	λ -Domain Rate Control Algorithm for HEVC Scalable Extension. IEEE Transactions on Multimedia, 2016, 18, 2023-2039.	7.2	30
402	Detection of trace levels of Pd ²⁺ in pure water using a fluorescent probe assisted by surfactants. Sensors and Actuators B: Chemical, 2016, 237, 899-904.	7.8	21
403	Two new species of <i>Austrophthiracarus</i> (Acari: Oribatida: Phthiracaridae) from Caplestone Biological Reserve in New Zealand. International Journal of Acarology, 2016, 42, 416-419.	0.7	4
404	Multi-Scale Triplet CNN for Person Re-Identification. , 2016, , .		124
405	NgAgo-based fabp11a gene knockdown causes eye developmental defects in zebrafish. Cell Research, 2016, 26, 1349-1352.	12.0	53
406	Experimental study of inhibitor containing sulfur for mild steel in hydrochloric acid. Anti-Corrosion Methods and Materials, 2016, 63, 275-280.	1.5	0
407	The THO/TREX Complex Active in miRNA Biogenesis Negatively Regulates Root-Associated Acid Phosphatase Activity Induced by Phosphate Starvation. Plant Physiology, 2016, 171, 2841-2853.	4.8	16
408	Minimizing cross-axis sensitivity in grating-based optomechanical accelerometers. Optics Express, 2016, 24, 9094.	3.4	40
409	Synthesis and properties of highly branched polybenzimidazoles as proton exchange membranes for high-temperature fuel cells. Journal of Materials Chemistry C, 2016, 4, 4814-4821.	5.5	58
410	Enhanced full-spectrum water splitting by confining plasmonic Au nanoparticles in N-doped TiO ₂ bowl nanoarrays. Nano Energy, 2016, 24, 87-93.	16.0	118
411	Preparation and properties of highly branched sulfonated poly(arylene ether)/polyacrylonitrile composite materials as proton exchange membranes. Journal of Materials Science, 2016, 51, 7119-7129.	3.7	18
412	The structural development of primary cultured hippocampal neurons on a graphene substrate. Colloids and Surfaces B: Biointerfaces, 2016, 146, 442-451.	5.0	40
413	Flexible Near-Infrared Photovoltaic Devices Based on Plasmonic Hot-Electron Injection into Silicon Nanowire Arrays. Angewandte Chemie, 2016, 128, 4653-4657.	2.0	7
414	Flexible Near-Infrared Photovoltaic Devices Based on Plasmonic Hot-Electron Injection into Silicon Nanowire Arrays. Angewandte Chemie - International Edition, 2016, 55, 4577-4581.	13.8	64

#	ARTICLE	IF	CITATIONS
415	Synthesis and properties of highly branched sulfonated poly(arylene ether)s with flexible alkylsulfonated side chains as proton exchange membranes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1326-1335.	5.5	35
416	Review of the genus <i>Austrophthiracarus</i> (Acari, Oribatida, Phthiracaridae) with a description of a new species from Australia, a key to known species of the Australian Region and a world checklist. <i>International Journal of Acarology</i> , 2016, 42, 41-55.	0.7	9
417	Cooperative Nanoparticle System for Photothermal Tumor Treatment without Skin Damage. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2847-2856.	8.0	24
418	Nonlinear Difference Imaging Approach to Three-Dimensional Electrical Impedance Tomography in the Presence of Geometric Modeling Errors. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 1956-1965.	4.2	56
419	MicroRNA-10a/10b represses a novel target gene <i>mib1</i> to regulate angiogenesis. <i>Cardiovascular Research</i> , 2016, 110, 140-150.	3.8	69
420	<i>Arabidopsis</i> PHL2 and PHR1 Act Redundantly as the Key Components of the Central Regulatory System Controlling Transcriptional Responses to Phosphate Starvation. <i>Plant Physiology</i> , 2016, 170, 499-514.	4.8	155
421	Social Diffusion Analysis With Common-Interest Model for Image Annotation. <i>IEEE Transactions on Multimedia</i> , 2016, 18, 687-701.	7.2	20
422	The somite-secreted factor <i>Maeg</i> promotes zebrafish embryonic angiogenesis. <i>Oncotarget</i> , 2016, 7, 77749-77763.	1.8	10
423	Simultaneous reconstruction of temperature field and radiative properties by inverse radiation analysis using stochastic particle swarm optimization. <i>Thermal Science</i> , 2016, 20, 493-504.	1.1	14
424	Practical phase unwrapping of interferometric fringes based on unscented Kalman filter technique. <i>Optics Express</i> , 2015, 23, 32337.	3.4	58
425	Review of the genus <i>Acrotritia</i> (Acari, Oribatida, Euphthiracaridae) with a world checklist, a key to known species of the Neotropical Region, and a description of a new species from Colombia. <i>Systematic and Applied Acarology</i> , 2015, 20, 887.	0.5	3
426	Image semantic quality assessment for compression of car-plate images. , 2015, , .		2
427	Coal Char Gasification on a Circulating Fluidized Bed for Hydrogen Generation: Experiments and Simulation. <i>Energy Technology</i> , 2015, 3, 1059-1067.	3.8	15
428	Efficient background picture coding for videos obtained from static cameras. , 2015, , .		2
429	Review of <i>Oribotritia</i> (Acari, Oribatida, Oribotritiidae) with a world checklist and description of a new species from China. <i>Zootaxa</i> , 2015, 4007, 217.	0.5	8
430	<i>Acrotritia</i> species (Acari: Oribatida: Euphthiracaridae) from China with description of a new species. <i>Zootaxa</i> , 2015, 3937, 127.	0.5	6
431	Effective Semisupervised Community Detection Using Negative Information. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-8.	1.1	2
432	General measurement of optical system aberrations with a continuously variable lateral shear ratio by a randomly encoded hybrid grating. <i>Applied Optics</i> , 2015, 54, 8913.	2.1	19

#	ARTICLE	IF	CITATIONS
433	Highly sensitive lateral deformable optical MEMS displacement sensor: anomalous diffraction studied by rigorous coupled-wave analysis. <i>Applied Optics</i> , 2015, 54, 8935.	2.1	2
434	Inter-picture prediction based on 3D point cloud model. , 2015, , .		6
435	Detailed influences of ethanol as fuel additive on combustion chemistry of premixed fuel-rich ethylene flames. <i>Science China Technological Sciences</i> , 2015, 58, 1696-1704.	4.0	12
436	Hoplophthiracarus species (Acari: Oribatida: Phthiracaridae) from China with descriptions of two new species. <i>Biologia (Poland)</i> , 2015, 70, 1490-1494.	1.5	3
437	The Nature of Photocatalytic "Water Splitting" on Silicon Nanowires. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2980-2985.	13.8	97
438	Detailed influences of chemical effects of hydrogen as fuel additive on methane flame. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 3777-3788.	7.1	44
439	Large-area synthesis of monolayer WSe ₂ on a SiO ₂ /Si substrate and its device applications. <i>Nanoscale</i> , 2015, 7, 4193-4198.	5.6	128
440	The Nature of Photocatalytic "Water Splitting" on Silicon Nanowires. <i>Angewandte Chemie</i> , 2015, 127, 3023-3028.	2.0	7
441	A nonlinear approach to difference imaging in EIT; assessment of the robustness in the presence of modelling errors. <i>Inverse Problems</i> , 2015, 31, 035012.	2.0	51
442	Laminar flame propagation and ignition properties of premixed iso-octane/air with hydrogen addition. <i>Fuel</i> , 2015, 158, 443-450.	6.4	49
443	Chemical Effects of Carbon Dioxide Addition on Dimethyl Ether and Ethanol Flames: A Comparative Study. <i>Energy & Fuels</i> , 2015, 29, 3385-3393.	5.1	21
444	Multi-phase flow monitoring with electrical impedance tomography using level set based method. <i>Nuclear Engineering and Design</i> , 2015, 289, 108-116.	1.7	25
445	Birth Cohort and Age Changes in the Self-Esteem of Chinese Adolescents: A Cross-Temporal Meta-Analysis, 1996-2009. <i>Journal of Research on Adolescence</i> , 2015, 25, 366-376.	3.7	40
446	Egfl6 is involved in zebrafish notochord development. <i>Fish Physiology and Biochemistry</i> , 2015, 41, 961-969.	2.3	8
447	Pd-Ag alloy nanocages: integration of Ag plasmonic properties with Pd active sites for light-driven catalytic hydrogenation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9390-9394.	10.3	29
448	Three new species of the genus <i>Notophthiracarus</i> (Acari: Oribatida: Phthiracaridae), with an updated key to its known species in New Zealand. <i>International Journal of Acarology</i> , 2015, 41, 232-240.	0.7	6
449	Determination of aspheric vertex radius of curvature in non-null interferometry. <i>Applied Optics</i> , 2015, 54, 2838.	1.8	16
450	Pattern recognition model for aerosol classification with atmospheric backscatter lidars: principles and simulations. <i>Journal of Applied Remote Sensing</i> , 2015, 9, 096006.	1.3	12

#	ARTICLE	IF	CITATIONS
451	Field-widened Michelson interferometer for spectral discrimination in high-spectral-resolution lidar: theoretical framework. <i>Optics Express</i> , 2015, 23, 12117.	3.4	27
452	Aspheric subaperture stitching based on system modeling. <i>Optics Express</i> , 2015, 23, 19176.	3.4	28
453	Three-Dimensional Point-Cloud Plus Patches: Towards Model-Based Image Coding in the Cloud. , 2015, , .		5
454	Quadriwave lateral shearing interferometer based on a randomly encoded hybrid grating. <i>Optics Letters</i> , 2015, 40, 2245.	3.3	40
455	Two new species of the family Phthiracaridae (Acari, Oribatida) from New Zealand, including keys to all species of Plonaphacarus and Arphthacaridae of the Australian region. <i>International Journal of Acarology</i> , 2015, 41, 584-589.	0.7	5
456	Identifying mantle carbonatite metasomatism through Sr ⁸⁷ /Sr ⁸⁶ and Mg isotopes in Tibetan ultrapotassic rocks. <i>Earth and Planetary Science Letters</i> , 2015, 430, 458-469.	4.4	82
457	Block the function of nonmuscle myosin II by blebbistatin induces zebrafish embryo cardia bifida. In <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2015, 51, 211-217.	1.5	3
458	New Zealand Austrophthiracaridae (Acari: Oribatida: Phthiracaridae): three new species from North Island and offshore islands. <i>Systematic and Applied Acarology</i> , 2015, 20, 263.	0.5	9
459	Estimation of conductivity changes in a region of interest with electrical impedance tomography. <i>Inverse Problems and Imaging</i> , 2015, 9, 211-229.	1.1	43
460	Three new species of the genus Notophthiracaridae from New Zealand (Acari: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.5	3
461	Three new species of the genus <i>Austrophthiracaridae</i> from New Zealand (Acari: Oribatida: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.5	10
462	Two new species of phthiracarid mites (Acari, Oribatida, Phthiracaridae) from Queensland, Australia. <i>International Journal of Acarology</i> , 2014, 40, 247-253.	0.7	2
463	First record of the genus <i>Arphthicaridae</i> NiedbaÅ,a (Acari: Oribatida: Phthiracaridae) from China, with descriptions of two new species. <i>Journal of Natural History</i> , 2014, 48, 2199-2206.	0.5	4
464	Kinesinâ€2 influences axonal growth during zebrafish neural development. <i>Cytoskeleton</i> , 2014, 71, 555-563.	2.0	39
465	Outage Analysis of Dual-Hop Transmission with Buffer Aided Amplify-and-Forward Relay. , 2014, , .		13
466	Zircon xenocrysts in Tibetan ultrapotassic magmas: Imaging the deep crust through time. <i>Geology</i> , 2014, 42, 43-46.	4.4	85
467	SIFT-preserving compression of mobile-captured license plate images for recognition. , 2014, , .		3
468	Effects of spectral discrimination in high-spectral-resolution lidar on the retrieval errors for atmospheric aerosol optical properties. <i>Applied Optics</i> , 2014, 53, 4386.	1.8	29

#	ARTICLE	IF	CITATIONS
469	Non-null annular subaperture stitching interferometry for steep aspheric measurement. Applied Optics, 2014, 53, 5755.	1.8	36
470	Reverse optimization reconstruction of aspheric figure error in a non-null interferometer. Applied Optics, 2014, 53, 5538.	1.8	36
471	Common-path and compact wavefront diagnosis system based on cross grating lateral shearing interferometer. Applied Optics, 2014, 53, 7144.	1.8	24
472	Two new peculiar ptyctimous mites (Acari: Oribatida: Phthiracaridae) from the Australian region, with a key to 54 described species of <i>Notophthiracarus</i> in Australia. Austral Entomology, 2014, 53, 159-166.	1.4	8
473	Optically active helical polyacetylene/Fe ₃ O ₄ composite microspheres: prepared by precipitation polymerization and used for enantioselective crystallization. RSC Advances, 2014, 4, 63611-63619.	3.6	22
474	<i>Microtritia</i> species from China (Acari: Oribatida: Euphthiracaridae), with description of a new species and a world key to species of the genus. International Journal of Acarology, 2014, 40, 402-409.	0.7	6
475	Two new species of oribatid mites of the family Phthiracaridae (Acari, Oribatida) from Venezuela. International Journal of Acarology, 2014, 40, 443-448.	0.7	4
476	Category-based dynamic recommendations adaptive to user interest drifts. , 2014, , .		5
477	Descriptions of Two New Species of <i>Austrophthiracarus</i> Balogh et Mahunka, a Newly Recorded Genus of Ptyctimous Mites from China (Acari: Oribatida: Phthiracaridae). Annales Zoologici, 2014, 64, 267-272.	0.8	8
478	Postcollisional potassic and ultrapotassic rocks in southern Tibet: Mantle and crustal origins in response to India-Asia collision and convergence. Geochimica Et Cosmochimica Acta, 2014, 143, 207-231.	3.9	187
479	Helix-sense-selective polymerization of achiral substituted acetylene in chiral micelles for preparing optically active polymer nanoparticles: Effects of chiral emulsifiers. Polymer, 2014, 55, 840-847.	3.8	17
480	Characterization of NADPH-dependent cytochrome P450 reductase gene from the cotton bollworm, <i>Helicoverpa armigera</i> . Gene, 2014, 545, 262-270.	2.2	18
481	A Facile Method for Preparing Porous, Optically Active, Magnetic Fe ₃ O ₄ @poly(N-acryloyl-L-leucine) Inverse Core/Shell Composite Microspheres. Macromolecular Rapid Communications, 2014, 35, 91-96.	3.9	9
482	Redescription of <i>Austrotritia lebronneci</i> (Oribotritiidae) and descriptions of two new species of Euphthiracaridae (Acari, Oribatida) from Australian Region. International Journal of Acarology, 2014, 40, 43-51.	0.7	11
483	Visualization of user interests in online music services. , 2014, , .		0
484	Expression analysis of integrin $\beta 1$ isoforms during zebrafish embryonic development. Gene Expression Patterns, 2014, 16, 86-92.	0.8	10
485	Image annotation via social diffusion analysis with common interests. , 2014, , .		1
486	Relative roles of spatial factors, environmental filtering and biotic interactions in fine-scale structuring of a soil mite community. Soil Biology and Biochemistry, 2014, 79, 68-77.	8.8	54

#	ARTICLE	IF	CITATIONS
487	l1dr1b is essential for semicircular canal development, migration of the posterior lateral line primordium and hearing ability in zebrafish: implications for a role in the recessive hearing impairment DFNb42. <i>Human Molecular Genetics</i> , 2014, 23, 6201-6211.	2.9	16
488	Self-disclosure on social networking sites, positive feedback, and social capital among Chinese college students. <i>Computers in Human Behavior</i> , 2014, 38, 213-219.	8.5	116
489	Kinetic analysis of the chemical effects of hydrogen addition on dimethyl ether flames. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 13014-13019.	7.1	43
490	Automated discrimination between d1gs and dust particles on optical surfaces with dark-field scattering microscopy. <i>Applied Optics</i> , 2014, 53, 5131.	1.8	39
491	Co-occurrence patterns of above-ground and below-ground mite communities in farmland of Sanjiang Plain, Northeast China. <i>Chinese Geographical Science</i> , 2014, 24, 339-347.	3.0	3
492	Northward subduction of Bangongâ€“Nujiang Tethys: Insight from Late Jurassic intrusive rocks from Bangong Tso in western Tibet. <i>Lithos</i> , 2014, 205, 284-297.	1.4	140
493	Combustion chemistry and flame structure of furan group biofuels using molecular-beam mass spectrometry and gas chromatography â€“ Part III: 2,5-Dimethylfuran. <i>Combustion and Flame</i> , 2014, 161, 780-797.	5.2	127
494	Distortion correction in surface defects evaluating system of large fine optics. <i>Optics Communications</i> , 2014, 312, 110-116.	2.1	21
495	Origin of the ca. 90 Ma magnesia-rich volcanic rocks in SE Nyima, central Tibet: Products of lithospheric delamination beneath the Lhasa-Qiangtang collision zone. <i>Lithos</i> , 2014, 198-199, 24-37.	1.4	106
496	Combustion chemistry and flame structure of furan group biofuels using molecular-beam mass spectrometry and gas chromatography â€“ Part II: 2-Methylfuran. <i>Combustion and Flame</i> , 2014, 161, 766-779.	5.2	110
497	Combustion chemistry and flame structure of furan group biofuels using molecular-beam mass spectrometry and gas chromatography â€“ Part I: Furan. <i>Combustion and Flame</i> , 2014, 161, 748-765.	5.2	117
498	Atropacarus (Hoplophorella) species (Acari: Oribatida: Phthiracaridae) from China, with descriptions of two new species. <i>Systematic and Applied Acarology</i> , 2014, 19, 166.	0.5	6
499	Phthiracarus species from China with descriptions of three new species (Acari: Tj ETQq1 1 0,784314 rgBT /Ov	0.5	3
500	Vision-based tomographic reconstruction of emissivity distribution in asymmetric thermal plasma. <i>Europhysics Letters</i> , 2013, 103, 35002.	2.0	0
501	Optically Active Particles of Chiral Polymers. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1426-1445.	3.9	48
502	Atropacarus (Atropacarus) niedbalaisp. nov., an extreme case of neotrichy in oribatid mites (Acari: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	8
503	Optically active, magnetic gels consisting of helical substituted polyacetylene and Fe3O4 nanoparticles: preparation and chiral recognition ability. <i>Journal of Materials Chemistry C</i> , 2013, 1, 8066.	5.5	30
504	miR-30a Regulates Endothelial Tip Cell Formation and Arteriolar Branching. <i>Hypertension</i> , 2013, 62, 592-598.	2.7	62

#	ARTICLE	IF	CITATIONS
505	Two new species of the genus <i>Notophthiracarus</i> (Acari: Oribatida: Phthiracaridae) from China. <i>International Journal of Acarology</i> , 2013, 39, 418-422.	0.7	3
506	New Species of Oribatid Mites of the Families Parakalummidae and Galumnidae (Acari: Oribatida) from Xiao Hinggan Mountains, Northeastern China. <i>Annales Zoologici</i> , 2013, 63, 171-176.	0.8	2
507	Nonmuscle myosin II-B (myh10) expression analysis during zebrafish embryonic development. <i>Gene Expression Patterns</i> , 2013, 13, 265-270.	0.8	44
508	Flame structure and kinetic studies of carbon dioxide-diluted dimethyl ether flames at reduced and elevated pressures. <i>Combustion and Flame</i> , 2013, 160, 2654-2668.	5.2	95
509	Oribatid mites from Wanda Mountains in China, with description of a new species of the genus <i>Pilogalumna</i> . <i>International Journal of Acarology</i> , 2013, 39, 414-417.	0.7	3
510	Off-axis cyclic radial shearing interferometer for measurement of centrally blocked transient wavefront. <i>Optics Letters</i> , 2013, 38, 2493.	3.3	17
511	Dark-field microscopic image stitching method for surface defects evaluation of large fine optics. <i>Optics Express</i> , 2013, 21, 5974.	3.4	68
512	Retrieval and analysis of a polarized high-spectral-resolution lidar for profiling aerosol optical properties. <i>Optics Express</i> , 2013, 21, 13084.	3.4	52
513	Interferometric filters for spectral discrimination in high-spectral-resolution lidar: performance comparisons between Fabry-Perot interferometer and field-widened Michelson interferometer. <i>Applied Optics</i> , 2013, 52, 7838.	1.8	21
514	Practical and accurate method for aspheric misalignment aberrations calibration in non-null interferometric testing. <i>Applied Optics</i> , 2013, 52, 8501.	1.8	31
515	Research on the Stability of Surrounding Rock in Shallow Tunnel under Unsymmetrical Pressure Based on RDM. <i>Applied Mechanics and Materials</i> , 2013, 353-356, 1709-1712.	0.2	0
516	Research on Optimization of Excavating Sequence for Dawangou Tunnel. <i>Applied Mechanics and Materials</i> , 2013, 353-356, 3703-3706.	0.2	0
517	Three new species of the genus <i>Suctobelbella</i> (Acari: Oribatida: Suctobelbidae) from Sanjiang Plain, Northeast China. <i>Zootaxa</i> , 2013, 3637, 131-8.	0.5	4
518	New Zealand species of <i>Oribotritia</i> (Acari: Oribatida: Oribotritiidae): descriptions of two new species and a key to eight species. <i>Systematic and Applied Acarology</i> , 2013, 18, 153.	0.5	9
519	Hotspots of new species discovery: new mite species described during 2007 to 2012. <i>Zootaxa</i> , 2013, 3663, 1.	0.5	23
520	Two new species of <i>Austrophthiracarus</i> (Acari: Oribatida: Phthiracaridae) from New Zealand. <i>Zootaxa</i> , 2013, 3682, 385-91.	0.5	17
521	The genus <i>Notophthiracarus</i> of New Zealand (Acari: Oribatida: Phthiracaridae): three new species and a key to 24 described species. <i>Zootaxa</i> , 2013, 3682, 392-400.	0.5	13
522	Two new species of the genus <i>Phrathicarus</i> (Acari: Oribatida: Phthiracaridae) from New Zealand (Acari: Oribatida: Phthiracaridae). <i>Zootaxa</i> , 2013, 3682, 392-400.		

#	ARTICLE	IF	CITATIONS
541	Flt1 acts as a negative regulator of tip cell formation and branching morphogenesis in the zebrafish embryo. <i>Development (Cambridge)</i> , 2011, 138, 2111-2120.	2.5	142
542	Neuron navigator 3a regulates liver organogenesis during zebrafish embryogenesis. <i>Development (Cambridge)</i> , 2011, 138, 1935-1945.	2.5	24
543	Review of Plonaphacarus (Acari: Oribatida: Steganacaridae), with descriptions of eight new species from China. <i>Zootaxa</i> , 2011, 2739, .	0.5	16
544	Species of Euphthiracarus (Acari: Oribatida: Euphthiracaridae) from China. <i>Zootaxa</i> , 2011, 2752, .	0.5	6
545	Critical role of connexin43 in zebrafish late primitive and definitive hematopoiesis. <i>Fish Physiology and Biochemistry</i> , 2010, 36, 945-951.	2.3	5
546	Birth cohort changes of Chinese adolescents' anxiety: A cross-temporal meta-analysis, 1992-2005. <i>Personality and Individual Differences</i> , 2010, 48, 208-212.	2.9	54
547	Simultaneous measurements of two-dimensional temperature and particle concentration distribution from the image of the pulverized-coal flame. <i>Fuel</i> , 2010, 89, 202-211.	6.4	44
548	Oribatid mites of China: a review of progress, with a checklist. <i>Zoosymposia</i> , 2010, 4, 186-224.	0.3	35
549	A review of Mesotritia (Acari: Oribatida: Oribotritiidae) in China, with descriptions of two new species and a checklist of known taxa. <i>Zootaxa</i> , 2010, 2479, 39.	0.5	5
550	Review of Apoplophora (Acari: Oribatida: Mesoplophoridae), with the description of a new species from China. <i>Zootaxa</i> , 2009, 2051, 49-61.	0.5	6
551	A new species of Sabahtritia (Acari: Oribatida: Synichotritiidae) from China. <i>Oriental Insects</i> , 2009, 43, 361-374.	0.3	3
552	Reconstruction of soot temperature and volume fraction profiles of an asymmetric flame using stereoscopic tomography. <i>Combustion and Flame</i> , 2009, 156, 565-573.	5.2	91
553	yap is required for the development of brain, eyes, and neural crest in zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2009, 384, 114-119.	2.1	46
554	Practical methods for retrace error correction in nonnull aspheric testing. <i>Optics Express</i> , 2009, 17, 7025.	3.4	64
555	Improving Inverse Wavelet Transform by Compressive Sensing Decoding with Deconvolution. , 2009, , .		2
556	Review of Austrotritia (Acari: Oribatida: Oribotritiidae), with descriptions of two new species from China. <i>Zootaxa</i> , 2009, 2144, 54-64.	0.5	3
557	Taxonomic Study of the Genus Maerkelotritia Hammer, 1967 (Acari: Oribatida:) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.8	2
558	Efficient inverse radiation analysis of temperature distribution in participating medium based on backward Monte Carlo method. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2008, 109, 2171-2181.	2.3	44

#	ARTICLE	IF	CITATIONS
559	Improvement of Load-Following Capacity Based on the Flame Radiation Intensity Signal in a Power Plant. <i>Energy & Fuels</i> , 2008, 22, 1731-1738.	5.1	13
560	Noncontact temperature measurement by means of CCD cameras in a participating medium. <i>Optics Letters</i> , 2008, 33, 422.	3.3	39
561	Intra Prediction via Edge-Based Inpainting. <i>Proceedings of the Data Compression Conference</i> , 2008, , .	0.0	9
562	Edge-Oriented Uniform Intra Prediction. <i>IEEE Transactions on Image Processing</i> , 2008, 17, 1827-1836.	9.8	27
563	The effect of acetic acid and acetate on CO ₂ corrosion of carbon steel. <i>Anti-Corrosion Methods and Materials</i> , 2008, 55, 130-134.	1.5	21
564	Manipulating image patches for compression. , 2008, , .		1
565	Measurement of Three-Dimensional Temperature Distribution in an Absorbing, Emitting, and Anisotropically Scattering Medium. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	1
566	Real time diagnosis of transient pulse laser with high repetition by radial shearing interferometer. <i>Applied Optics</i> , 2007, 46, 8305.	2.1	40
567	Image Compression With Edge-Based Inpainting. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2007, 17, 1273-1287.	8.3	152
568	Measurement of transient near-infrared laser pulse wavefront with high precision by radial shearing interferometer. <i>Optics Communications</i> , 2007, 275, 173-178.	2.1	18
569	Microscopic scattering imaging measurement and digital evaluation system of defects for fine optical surface. <i>Optics Communications</i> , 2007, 278, 240-246.	2.1	58
570	Simulation study on radiative imaging of combustion flame in furnace. <i>Journal of Zhejiang University: Science A</i> , 2007, 8, 1853-1857.	2.4	2
571	A novel fuzzy classification entropy approach to image thresholding. <i>Pattern Recognition Letters</i> , 2006, 27, 1968-1975.	4.2	46
572	Numerical Simulation of Advanced Small Pipe in Tunnels during Excavation by Steps. <i>Applied Mechanics and Materials</i> , 0, 353-356, 3699-3702.	0.2	2
573	Study on Fluid-Structure Interaction Based on Hard Rock Deterioration Theory. <i>Applied Mechanics and Materials</i> , 0, 353-356, 1551-1554.	0.2	0
574	Study on the Ground Settlement Regularity Caused by Deep Caving Method. <i>Applied Mechanics and Materials</i> , 0, 670-671, 907-911.	0.2	1
575	The Structure and Composition of Corrosion Product Film and its Relation to Corrosion Rate for Carbon Steels in CO ₂ Saturated Solutions at Different Temperatures. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	8
576	Study of Cool Flames of Octane Isomers in the Counterflow Burner. <i>Combustion Science and Technology</i> , 0, , 1-15.	2.3	1