Dong Liu

List of Publications by Year
in descending order

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576	19,069	17440 63	30087 103
papers	citations	h-index	g-index

587	587	587	18205
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep High-Resolution Representation Learning for Visual Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 3349-3364.	13.9	1,553
2	STING directly activates autophagy to tune the innate immune response. Cell Death and Differentiation, 2019, 26, 1735-1749.	11.2	247
3	A Convolutional Neural Network Approach for Post-Processing in HEVC Intra Coding. Lecture Notes in Computer Science, 2017, , 28-39.	1.3	211
4	Autophagy protects auditory hair cells against neomycin-induced damage. Autophagy, 2017, 13, 1884-1904.	9.1	195
5	Postcollisional potassic and ultrapotassic rocks in southern Tibet: Mantle and crustal origins in response to Indiaâ€“Asia collision and convergence. Geochimica Et Cosmochimica Acta, 2014, 143, 207-231.	3.9	187
6	Selective photoelectrochemical oxidation of glycerol to high value-added dihydroxyacetone. Nature Communications, 2019, 10, 1779.	12.8	185
7	Novel conductive binder for high-performance silicon anodes in lithium ion batteries. Nano Energy, 2017, 36, 206-212.	16.0	178
8	Nobleâ€Metalâ€Free Janusâ€like Structures by Cation Exchange for Zâ€Scheme Photocatalytic Water Splitting under Broadband Light Irradiation. Angewandte Chemie - International Edition, 2017, 56, 4206-4210.	13.8	166
9	Hypoxic mitophagy regulates mitochondrial quality and platelet activation and determines severity of I/R heart injury. ELife, 2016, 5, .	6.0	158
10	Nanowire Photoelectrochemistry. Chemical Reviews, 2019, 119, 9221-9259.	47.7	158
11	Arabidopsis PHL2 and PHR1 Act Redundantly as the Key Components of the Central Regulatory System Controlling Transcriptional Responses to Phosphate Starvation. Plant Physiology, 2016, 170, 499-514.	4.8	155
12	Surface Reconstruction and Phase Transition on Vanadiumâ€“Cobaltâ€“Iron Trimetal Nitrides to Form Active Oxyhydroxide for Enhanced Electrocatalytic Water Oxidation. Advanced Energy Materials, 2020, 10, 2002464.	19.5	155
13	Metastasis-associated miR-23a from nasopharyngeal carcinoma-derived exosomes mediates angiogenesis by repressing a novel target gene TSGA10. Oncogene, 2018, 37, 2873-2889.	5.9	154
14	Image Compression With Edge-Based Inpainting. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 1273-1287.	8.3	152
15	Functionalization of graphene materials by heteroatom-doping for energy conversion and storage. Progress in Natural Science: Materials International, 2018, 28, 121-132.	4.4	148
16	The Big Five personality traits, Big Two metatraits and social media: A meta-analysis. Journal of Research in Personality, 2017, 70, 229-240.	1.7	144
17	Flt1 acts as a negative regulator of tip cell formation and branching morphogenesis in the zebrafish embryo. Development (Cambridge), 2011, 138, 2111-2120.	2.5	142
18	Northward subduction of Bangongâ€“Nujiang Tethys: Insight from Late Jurassic intrusive rocks from Bangong Tso in western Tibet. Lithos, 2014, 205, 284-297.	1.4	140

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19	Facile Processing of Free-Standing Polyaniline/SWCNT Film as an Integrated Electrode for Flexible Supercapacitor Application. ACS Applied Materials & Interfaces, 2017, 9, 33791-33801.	8.0	139
20	Integration of Multiple Plasmonic and Co-Catalyst Nanostructures on TiO₂ Nanosheets for Visible-Near-Infrared Photocatalytic Hydrogen Evolution. Small, 2016, 12, 1640-1648.	10.0	136
21	Deficiency of mitophagy receptor FUNDC1 impairs mitochondrial quality and aggravates dietary-induced obesity and metabolic syndrome. Autophagy, 2019, 15, 1882-1898.	9.1	131
22	Pseudo-sequence-based light field image compression. , 2016, , .		130
23	A Meta-Analysis of Social Networking Online and Social Capital. Review of General Psychology, 2016, 20, 369-391.	3.2	129
24	Large-area synthesis of monolayer WSe₂ on a SiO₂/Si substrate and its device applications. Nanoscale, 2015, 7, 4193-4198.	5.6	128
25	Social networking online and personality of self-worth: A meta-analysis. Journal of Research in Personality, 2016, 64, 79-89.	1.7	128
26	Combustion chemistry and flame structure of furan group biofuels using molecular-beam mass spectrometry and gas chromatography â€“ Part III: 2,5-Dimethylfuran. Combustion and Flame, 2014, 161, 780-797.	5.2	127
27	Multi-Scale Triplet CNN for Person Re-Identification. , 2016, , .		124
28	Ultrathin-metal-film-based transparent electrodes with relative transmittance surpassing 100%. Nature Communications, 2020, 11, 3367.	12.8	123
29	Enhanced full-spectrum water splitting by confining plasmonic Au nanoparticles in N-doped TiO2 bowl nanoarrays. Nano Energy, 2016, 24, 87-93.	16.0	118
30	Combustion chemistry and flame structure of furan group biofuels using molecular-beam mass spectrometry and gas chromatography â€“ Part I: Furan. Combustion and Flame, 2014, 161, 748-765.	5.2	117
31	Self-disclosure on social networking sites, positive feedback, and social capital among Chinese college students. Computers in Human Behavior, 2014, 38, 213-219.	8.5	116
32	Combustion chemistry and flame structure of furan group biofuels using molecular-beam mass spectrometry and gas chromatography â€“ Part II: 2-Methylfuran. Combustion and Flame, 2014, 161, 766-779.	5.2	110
33	Dominant-Current Deep Learning Scheme for Electrical Impedance Tomography. IEEE Transactions on Biomedical Engineering, 2019, 66, 2546-2555.	4.2	109
34	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. Lithos, 2014, 198-199, 24-37.	1.4	106
35	Convolutional Neural Network-Based Block Up-Sampling for Intra Frame Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2316-2330.	8.3	103
36	Pd-Ag alloy hollow nanostructures with interatomic charge polarization for enhanced electrocatalytic formic acid oxidation. Nano Research, 2016, 9, 1590-1599.	10.4	102

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37	Motives Matter: Motives for Playing PokÃ©mon Go and Implications for Well-Being. Cyberpsychology, Behavior, and Social Networking, 2017, 20, 52-57.	3.9	100
38	The Nature of Photocatalytic â€œWater Splittingâ€•on Silicon Nanowires. Angewandte Chemie - International Edition, 2015, 54, 2980-2985.	13.8	97
39	A compact Cas9 ortholog from Staphylococcus Auricularis (SauriCas9) expands the DNA targeting scope. PLoS Biology, 2020, 18, e3000686.	5.6	96
40	Flame structure and kinetic studies of carbon dioxide-diluted dimethyl ether flames at reduced and elevated pressures. Combustion and Flame, 2013, 160, 2654-2668.	5.2	95
41	Hypoxia-Induced Matrix Metalloproteinase-13 Expression in Exosomes from Nasopharyngeal Carcinoma Enhances Metastases. Cell Death and Disease, 2018, 9, 382.	6.3	92
42	Reconstruction of soot temperature and volume fraction profiles of an asymmetric flame using stereoscopic tomography. Combustion and Flame, 2009, 156, 565-573.	5.2	91
43	An episomal vector-based CRISPR/Cas9 system for highly efficient gene knockout in human pluripotent stem cells. Scientific Reports, 2017, 7, 2320.	3.3	91
44	Chemical Approaches to Carbonâ€Based Metalâ€Free Catalysts. Advanced Materials, 2019, 31, e1804863.	21.0	90
45	Strong Metalâ€“Support Interaction Boosts Activity, Selectivity, and Stability in Electrosynthesis of H₂O₂. Journal of the American Chemical Society, 2022, 144, 2255-2263.	13.7	90
46	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. Lithos, 2017, 278-281, 477-490.	1.4	89
47	A meta-analysis of the relationship of academic performance and Social Network Site use among adolescents and young adults. Computers in Human Behavior, 2017, 77, 148-157.	8.5	89
48	Branched comb-shaped poly(arylene ether sulfone)s containing flexible alkyl imidazolium side chains as anion exchange membranes. Journal of Materials Chemistry A, 2018, 6, 10879-10890.	10.3	88
49	Learning a Convolutional Neural Network for Image Compact-Resolution. IEEE Transactions on Image Processing, 2019, 28, 1092-1107.	9.8	87
50	Zircon xenocrysts in Tibetan ultrapotassic magmas: Imaging the deep crust through time. Geology, 2014, 42, 43-46.	4.4	85
51	Preparation of porous MoO₂@C nano-octahedrons from a polyoxometalate-based metalâ€“organic framework for highly reversible lithium storage. Journal of Materials Chemistry A, 2016, 4, 12434-12441.	10.3	83
52	Identifying mantle carbonatite metasomatism through Osâ€“Srâ€“Mg isotopes in Tibetan ultrapotassic rocks. Earth and Planetary Science Letters, 2015, 430, 458-469.	4.4	82
53	Photoelectrocatalytic degradation of methylene blue using F doped TiO2 photoelectrode under visible light irradiation. Chemosphere, 2017, 185, 574-581.	8.2	82
54	Deep Learning-Based Video Coding. ACM Computing Surveys, 2021, 53, 1-35.	23.0	78

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55	Effects of butanol isomers additions on soot nanostructure and reactivity in normal and inverse ethylene diffusion flames. Fuel, 2017, 205, 109-129.	6.4	77
56	Facile synthesis of three-dimensional hollow porous carbon doped polymeric carbon nitride with highly efficient photocatalytic performance. Chemical Engineering Journal, 2022, 438, 135623.	12.7	74
57	An Efficient Four-Parameter Affine Motion Model for Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1934-1948.	8.3	73
58	Genetic Dissection of Fe-Dependent Signaling in Root Developmental Responses to Phosphate Deficiency. Plant Physiology, 2019, 179, 300-316.	4.8	72
59	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
60	Deep Learning-Based Classification of Liver Cancer Histopathology Images Using Only Global Labels. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1643-1651.	6.3	71
61	Nitrogen-rich holey graphene for efficient oxygen reduction reaction. Carbon, 2020, 162, 66-73.	10.3	71
62	A Parametric Level Set Method for Electrical Impedance Tomography. IEEE Transactions on Medical Imaging, 2018, 37, 451-460.	8.9	70
63	Dimethyl Carbonate as a Promising Oxygenated Fuel for Combustion: A Review. Energies, 2018, 11, 1552.	3.1	70
64	Enhanced visible light photoelectrocatalytic degradation of tetracycline hydrochloride by I and P co-doped TiO2 photoelectrode. Journal of Hazardous Materials, 2021, 406, 124309.	12.4	70
65	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
66	MicroRNA-10a/10b represses a novel target gene mib1 to regulate angiogenesis. Cardiovascular Research, 2016, 110, 140-150.	3.8	69
67	Improving triplet-wise training of convolutional neural network for vehicle re-identification. , 2017, , .		69
68	Nitrogen, Sulfur Co-Doped Hierarchically Porous Carbon as a Metal-Free Electrocatalyst for Oxygen Reduction and Carbon Dioxide Reduction Reaction. ACS Applied Materials & Interfaces, 2020, 12, 44578-44587.	8.0	69
69	Dark-field microscopic image stitching method for surface defects evaluation of large fine optics. Optics Express, 2013, 21, 5974.	3.4	68
70	Highly improved electrocatalytic activity of NiSx: Effects of Cr-doping and phase transition. Applied Catalysis B: Environmental, 2020, 267, 118721.	20.2	68
71	Differential Gene Expression Profiling and Biological Process Analysis in Proximal Nerve Segments after Sciatic Nerve Transection. PLoS ONE, 2013, 8, e57000.	2.5	67
72	Nanostructure evolution and reactivity of nascent soot from inverse diffusion flames in CO2, N2, and He atmospheres. Carbon, 2018, 139, 172-180.	10.3	66

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73	Practical methods for retrace error correction in nonnull aspheric testing. Optics Express, 2009, 17, 7025.	3.4	64
74	Flexible Nearâ€Infrared Photovoltaic Devices Based on Plasmonic Hotâ€Electron Injection into Silicon Nanowire Arrays. Angewandte Chemie - International Edition, 2016, 55, 4577-4581.	13.8	64
75	Convolutional Neural Network-Based Fractional-Pixel Motion Compensation. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 840-853.	8.3	64
76	Silicon nanostructures for solar-driven catalytic applications. Nano Today, 2017, 17, 96-116.	11.9	63
77	Pseudo-Sequence-Based 2-D Hierarchical Coding Structure for Light-Field Image Compression. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 1107-1119.	10.8	63
78	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
79	miR-30a Regulates Endothelial Tip Cell Formation and Arteriolar Branching. Hypertension, 2013, 62, 592-598.	2.7	62
80	Nobleâ€Metalâ€Free Janusâ€like Structures by Cation Exchange for Zâ€Scheme Photocatalytic Water Splitting under Broadband Light Irradiation. Angewandte Chemie, 2017, 129, 4270-4274.	2.0	62
81	Enhanced visible light photoelectrocatalytic degradation of organic contaminants by F and Sn co-doped TiO2 photoelectrode. Chemical Engineering Journal, 2018, 344, 332-341.	12.7	62
82	Carbon nanotubes with fluorine-rich surface as metal-free electrocatalyst for effective synthesis of urea from nitrate and CO2. Applied Catalysis B: Environmental, 2022, 316, 121618.	20.2	62
83	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
84	Boron, nitrogen co-doped carbon with abundant mesopores for efficient CO2 electroreduction. Applied Catalysis B: Environmental, 2021, 298, 120543.	20.2	61
85	Topological Defectâ€Rich Carbon as a Metalâ€Free Cathode Catalyst for Highâ€Performance Liâ€CO₂ Batteries. Advanced Energy Materials, 2021, 11, 2101390.	19.5	60
86	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
87	Microscopic scattering imaging measurement and digital evaluation system of defects for fine optical surface. Optics Communications, 2007, 278, 240-246.	2.1	58
88	Practical phase unwrapping of interferometric fringes based on unscented Kalman filter technique. Optics Express, 2015, 23, 32337.	3.4	58
89	Media Niche of Electronic Communication Channels in Friendship: A Meta-Analysis. Journal of Computer-Mediated Communication, 2016, 21, 451-466.	3.3	58
90	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

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91	Assessing the depolarization capabilities of nonspherical particles in a super-ellipsoidal shape space. Optics Express, 2018, 26, 1726.	3.4	57
92	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
93	Nonlinear Difference Imaging Approach to Three-Dimensional Electrical Impedance Tomography in the Presence of Geometric Modeling Errors. IEEE Transactions on Biomedical Engineering, 2016, 63, 1956-1965.	4.2	56
94	Experimental reconstructions of flame temperature distributions in laboratory-scale and large-scale pulverized-coal fired furnaces by inverse radiation analysis. Fuel, 2012, 93, 397-403.	6.4	55
95	NiFe Hydroxide Lattice Tensile Strain: Enhancement of Adsorption of Oxygenated Intermediates for Efficient Water Oxidation Catalysis. Angewandte Chemie, 2019, 131, 746-750.	2.0	55
96	One-for-All: Grouped Variation Network-Based Fractional Interpolation in Video Coding. IEEE Transactions on Image Processing, 2019, 28, 2140-2151.	9.8	55
97	Birth cohort changes of Chinese adolescentsâ€™ anxiety: A cross-temporal meta-analysis, 1992â€“2005. Personality and Individual Differences, 2010, 48, 208-212.	2.9	54
98	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
99	Solar energy conversion with tunable plasmonic nanostructures for thermoelectric devices. Nanoscale, 2012, 4, 4416.	5.6	53
100	NgAgo-based fabp11a gene knockdown causes eye developmental defects in zebrafish. Cell Research, 2016, 26, 1349-1352.	12.0	53
101	pH-sensitive zwitterionic coating of gold nanocages improves tumor targeting and photothermal treatment efficacy. Nano Research, 2018, 11, 3193-3204.	10.4	53
102	Retrieval and analysis of a polarized high-spectral-resolution lidar for profiling aerosol optical properties. Optics Express, 2013, 21, 13084.	3.4	52
103	Breaking the symmetry: Gradient in NiFe layered double hydroxide nanoarrays for efficient oxygen evolution. Nano Energy, 2019, 60, 661-666.	16.0	52
104	3D interconnected porous g-C3N4 hybridized with Fe2O3 quantum dots for enhanced photo-Fenton performance. Applied Surface Science, 2021, 555, 149677.	6.1	52
105	A nonlinear approach to difference imaging in EIT; assessment of the robustness in the presence of modelling errors. Inverse Problems, 2015, 31, 035012.	2.0	51
106	Plasmonic Coupling Architectures for Enhanced Photocatalysis. Advanced Materials, 2021, 33, e2005738.	21.0	51
107	Single copper sites dispersed on hierarchically porous carbon for improving oxygen reduction reaction towards zinc-air battery. Nano Research, 2021, 14, 998-1003.	10.4	50
108	Laminar flame propagation and ignition properties of premixed iso-octane/air with hydrogen addition. Fuel, 2015, 158, 443-450.	6.4	49

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109	A Statistical Shape-Constrained Reconstruction Framework for Electrical Impedance Tomography. IEEE Transactions on Medical Imaging, 2019, 38, 2400-2410.	8.9	49
110	Simultaneously Engineering the Coordination Environment and Pore Architecture of Metalâ€“Organic Frameworkâ€Derived Singleâ€Atomic Iron Catalysts for Ultraefficient Oxygen Reduction. Small, 2021, 17, e2102425.	10.0	49
111	Optically Active Particles of Chiral Polymers. Macromolecular Rapid Communications, 2013, 34, 1426-1445.	3.9	48
112	Effects of an electrospun fluorinated poly(ether ether ketone) separator on the enhanced safety and electrochemical properties of lithium ion batteries. Electrochimica Acta, 2018, 290, 150-164.	5.2	48
113	Detection of aggressive behaviours in pigs using a RealSence depth sensor. Computers and Electronics in Agriculture, 2019, 166, 105003.	7.7	48
114	E2I: Generative Inpainting From Edge to Image. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1308-1322.	8.3	48
115	Effects of alkali and alkaline earth metal species on the combustion characteristics of single particles from pine sawdust and bituminous coal. Bioresource Technology, 2018, 268, 278-285.	9.6	47
116	Effects of water addition on soot properties in ethylene inverse diffusion flames. Fuel, 2019, 247, 187-197.	6.4	47
117	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. Carbon, 2021, 179, 365-376.	10.3	47
118	3D interconnected g-C3N4 hybridized with 2D Ti3C2 MXene nanosheets for enhancing visible light photocatalytic hydrogen evolution and dye contaminant elimination. Applied Surface Science, 2022, 579, 152180.	6.1	47
119	A novel fuzzy classification entropy approach to image thresholding. Pattern Recognition Letters, 2006, 27, 1968-1975.	4.2	46
120	yap is required for the development of brain, eyes, and neural crest in zebrafish. Biochemical and Biophysical Research Communications, 2009, 384, 114-119.	2.1	46
121	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. Journal of Power Sources, 2018, 378, 451-459.	7.8	46
122	A Three-Dimensional Culture System with Matrigel Promotes Purified Spiral Ganglion Neuron Survival and Function In Vitro. Molecular Neurobiology, 2018, 55, 2070-2084.	4.0	46
123	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
124	A convolutional neural network approach for half-pel interpolation in video coding. , 2017, , .		45
125	Efficient inverse radiation analysis of temperature distribution in participating medium based on backward Monte Carlo method. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 2171-2181.	2.3	44
126	Simultaneous measurements of two-dimensional temperature and particle concentration distribution from the image of the pulverized-coal flame. Fuel, 2010, 89, 202-211.	6.4	44

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127	Nonmuscle myosin II-B (myh10) expression analysis during zebrafish embryonic development. Gene Expression Patterns, 2013, 13, 265-270.	0.8	44
128	Detailed influences of chemical effects of hydrogen as fuel additive on methane flame. International Journal of Hydrogen Energy, 2015, 40, 3777-3788.	7.1	44
129	Effects of branching structures on the properties of phosphoric acid-doped polybenzimidazole as a membrane material for high-temperature proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2018, 43, 16694-16703.	7.1	44
130	A Moving Morphable Components Based Shape Reconstruction Framework for Electrical Impedance Tomography. IEEE Transactions on Medical Imaging, 2019, 38, 2937-2948.	8.9	44
131	Kinetic analysis of the chemical effects of hydrogen addition on dimethyl ether flames. International Journal of Hydrogen Energy, 2014, 39, 13014-13019.	7.1	43
132	Circuits and Systems Issues in Power Electronics Penetrated Power Grid. IEEE Open Journal of Circuits and Systems, 2020, 1, 140-156.	1.9	43
133	Estimation of conductivity changes in a region of interest with electrical impedance tomography. Inverse Problems and Imaging, 2015, 9, 211-229.	1.1	43
134	Defect Engineering in Photocatalytic Methane Conversion. Small Structures, 2022, 3, 2100147.	12.0	43
135	Textile-based moisture power generator with dual asymmetric structure and high flexibility for wearable applications. Nano Energy, 2022, 95, 107017.	16.0	43
136	Peroxymonosulfate activation by Co3O4/SnO2 for efficient degradation of ofloxacin under visible light. Journal of Colloid and Interface Science, 2022, 615, 650-662.	9.4	43
137	Geometrically Deformed Iron-Based Single-Atom Catalysts for High-Performance Acidic Proton Exchange Membrane Fuel Cells. ACS Catalysis, 2022, 12, 5397-5406.	11.2	43
138	Insm1a Regulates Motor Neuron Development in Zebrafish. Frontiers in Molecular Neuroscience, 2017, 10, 274.	2.9	42
139	iWave: CNN-Based Wavelet-Like Transform for Image Compression. IEEE Transactions on Multimedia, 2020, 22, 1667-1679.	7.2	42
140	Self-Healing Solid Polymer Electrolyte with High Ion Conductivity and Super Stretchability for All-Solid Zinc-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 36320-36329.	8.0	42
141	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
142	Inpainting with image patches for compression. Journal of Visual Communication and Image Representation, 2012, 23, 100-113.	2.8	41
143	A Parametric Level set Method for Imaging Multiphase Conductivity Using Electrical Impedance Tomography. IEEE Transactions on Computational Imaging, 2018, 4, 552-561.	4.4	41
144	B-Spline-Based Sharp Feature Preserving Shape Reconstruction Approach for Electrical Impedance Tomography. IEEE Transactions on Medical Imaging, 2019, 38, 2533-2544.	8.9	41

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145	The <i>slc4a2b</i> gene is required for hair cell development in zebrafish. Aging, 2020, 12, 18804-18821.	3.1	41
146	Real time diagnosis of transient pulse laser with high repetition by radial shearing interferometer. Applied Optics, 2007, 46, 8305.	2.1	40
147	Birth Cohort and Age Changes in the Selfâ€Esteem of Chinese Adolescents: A Crossâ€Temporal Metaâ€Analysis, 1996â€“2009. Journal of Research on Adolescence, 2015, 25, 366-376.	3.7	40
148	Quadriwave lateral shearing interferometer based on a randomly encoded hybrid grating. Optics Letters, 2015, 40, 2245.	3.3	40
149	Minimizing cross-axis sensitivity in grating-based optomechanical accelerometers. Optics Express, 2016, 24, 9094.	3.4	40
150	The structural development of primary cultured hippocampal neurons on a graphene substrate. Colloids and Surfaces B: Biointerfaces, 2016, 146, 442-451.	5.0	40
151	A Conductive Binder for High-Performance Sn Electrodes in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 1672-1677.	8.0	40
152	Transparent Perfect Microwave Absorber Employing Asymmetric Resonance Cavity. Advanced Science, 2019, 6, 1901320.	11.2	40
153	Nonstationary Shape Estimation in Electrical Impedance Tomography Using a Parametric Level Set-Based Extended Kalman Filter Approach. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1894-1907.	4.7	40
154	Zero-Shot Depth Estimation From Light Field Using A Convolutional Neural Network. IEEE Transactions on Computational Imaging, 2020, 6, 682-696.	4.4	40
155	Deep Adversarial Data Augmentation for Extremely Low Data Regimes. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 15-28.	8.3	40
156	Noncontact temperature measurement by means of CCD cameras in a participating medium. Optics Letters, 2008, 33, 422.	3.3	39
157	System analysis of a tilted field-widened Michelson interferometer for high spectral resolution lidar. Optics Express, 2012, 20, 1406.	3.4	39
158	Kinesinâ€12 influences axonal growth during zebrafish neural development. Cytoskeleton, 2014, 71, 555-563.	2.0	39
159	Automated discrimination between digs and dust particles on optical surfaces with dark-field scattering microscopy. Applied Optics, 2014, 53, 5131.	1.8	39
160	Defects evaluation system for spherical optical surfaces based on microscopic scattering dark-field imaging method. Applied Optics, 2016, 55, 6162.	2.1	38
161	Leucogranites in Lhozag, southern Tibet: Implications for the tectonic evolution of the eastern Himalaya. Lithos, 2017, 294-295, 246-262.	1.4	38
162	Effects of Flame Configuration and Soot Aging on Soot Nanostructure and Reactivity in <i>n</i>-Butanol-Doped Ethylene Diffusion Flames. Energy & Fuels, 2018, 32, 607-624.	5.1	38

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163	Partition-Aware Adaptive Switching Neural Networks for Post-Processing in HEVC. IEEE Transactions on Multimedia, 2020, 22, 2749-2763.	7.2	38
164	Fabricating I doped TiO2 photoelectrode for the degradation of diclofenac: Performance and mechanism study. Chemical Engineering Journal, 2019, 369, 968-978.	12.7	37
165	Non-null annular subaperture stitching interferometry for steep aspheric measurement. Applied Optics, 2014, 53, 5755.	1.8	36
166	Reverse optimization reconstruction of aspheric figure error in a non-null interferometer. Applied Optics, 2014, 53, 5538.	1.8	36
167	CYP6B6 is involved in esfenvalerate detoxification in the polyphagous lepidopteran pest, Helicoverpa armigera. Pesticide Biochemistry and Physiology, 2017, 138, 51-56.	3.6	36
168	An Intrinsically Disordered Peptide-Peptide Stapler for Highly Efficient Protein Ligation Both in Vivo and in Vitro. Journal of the American Chemical Society, 2018, 140, 17474-17483.	13.7	36
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