

Liang Wang

List of Publications by Year in descending order

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431
papers

14,667
citations

20817

60
h-index

33894

99
g-index

434
all docs

434
docs citations

434
times ranked

19469
citing authors

#	ARTICLE	IF	CITATIONS
1	Gram-scale synthesis of single-crystalline graphene quantum dots with superior optical properties. <i>Nature Communications</i> , 2014, 5, 5357.	12.8	750
2	Ultrathin graphene oxide encapsulated in uniform MIL-88A(Fe) for enhanced visible light-driven photodegradation of RhB. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 119-128.	20.2	366
3	Full-color fluorescent carbon quantum dots. <i>Science Advances</i> , 2020, 6, .	10.3	344
4	A Critical Review on Additives to Reduce Ash Related Operation Problems in Biomass Combustion Applications. <i>Energy Procedia</i> , 2012, 20, 20-29.	1.8	253
5	Histone Modifications Regulate Chromatin Compartmentalization by Contributing to a Phase Separation Mechanism. <i>Molecular Cell</i> , 2019, 76, 646-659.e6.	9.7	250
6	Efficient Separation of Electron-Hole Pairs in Graphene Quantum Dots by TiO ₂ Heterojunctions for Dye Degradation. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2405-2413.	6.7	244
7	Graphene quantum dots modified mesoporous graphite carbon nitride with significant enhancement of photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2017, 207, 429-437.	20.2	238
8	Nanolithography Using High Transmission Nanoscale Bowtie Apertures. <i>Nano Letters</i> , 2006, 6, 361-364.	9.1	237
9	Metallic 1T MoS ₂ nanosheet arrays vertically grown on activated carbon fiber cloth for enhanced Li-ion storage performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14061-14069.	10.3	232
10	High-Lithium-Affinity Chemically Exfoliated 2D Covalent Organic Frameworks. <i>Advanced Materials</i> , 2019, 31, e1901640.	21.0	217
11	Facile synthesis of fluorescent graphene quantum dots from coffee grounds for bioimaging and sensing. <i>Chemical Engineering Journal</i> , 2016, 300, 75-82.	12.7	208
12	Arabidopsis FLL2 promotes liquid-liquid phase separation of polyadenylation complexes. <i>Nature</i> , 2019, 569, 265-269.	27.8	196
13	NIR-responsive carbon dots for efficient photothermal cancer therapy at low power densities. <i>Carbon</i> , 2018, 134, 153-162.	10.3	175
14	Self-gating in semiconductor electrocatalysis. <i>Nature Materials</i> , 2019, 18, 1098-1104.	27.5	167
15	Graphene Materials in Antimicrobial Nanomedicine: Current Status and Future Perspectives. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701406.	7.6	166
16	Engineering grain boundaries at the 2D limit for the hydrogen evolution reaction. <i>Nature Communications</i> , 2020, 11, 57.	12.8	153
17	Machine-Learning-Driven Synthesis of Carbon Dots with Enhanced Quantum Yields. <i>ACS Nano</i> , 2020, 14, 14761-14768.	14.6	143
18	The Role of CD44 and Cancer Stem Cells. <i>Methods in Molecular Biology</i> , 2018, 1692, 31-42.	0.9	138

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19	A solvent-engineered molecule fusion strategy for rational synthesis of carbon quantum dots with multicolor bandgap fluorescence. <i>Carbon</i> , 2018, 130, 153-163.	10.3	132
20	Surface Properties and Chemical Composition of Corncob and Miscanthus Biochars: Effects of Production Temperature and Method. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 3791-3799.	5.2	129
21	Superparamagnetic Hyperbranched Polyglycerol- <i>Grafted</i> Fe ₃ O ₄ Nanoparticles as a Novel Magnetic Resonance Imaging Contrast Agent: An In Vitro Assessment. <i>Advanced Functional Materials</i> , 2009, 19, 2615-2622.	14.9	125
22	KLF4 Is Essential for Induction of Cellular Identity Change and Acinar-to-Ductal Reprogramming during Early Pancreatic Carcinogenesis. <i>Cancer Cell</i> , 2016, 29, 324-338.	16.8	123
23	Use of nanoimprinted surface patterns to mitigate colloidal deposition on ultrafiltration membranes. <i>Journal of Membrane Science</i> , 2013, 428, 598-607.	8.2	120
24	Electrophoretic fabrication of highly robust, efficient, and benign heterojunction photoelectrocatalysts based on graphene-quantum-dot sensitized TiO ₂ nanotube arrays. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3551.	10.3	120
25	Scalable synthesis of organic-soluble carbon quantum dots: superior optical properties in solvents, solids, and LEDs. <i>Nanoscale</i> , 2017, 9, 13195-13202.	5.6	117
26	Biodegradable magnetic-fluorescent magnetite/poly(dl-lactic acid-co- <i>l</i> , <i>l</i> -malic acid) composite nanoparticles for stem cell labeling. <i>Biomaterials</i> , 2010, 31, 3502-3511.	11.4	110
27	2D visible-light-driven TiO ₂ @Ti ₃ C ₂ /g-C ₃ N ₄ ternary heterostructure for high photocatalytic activity. <i>Journal of Materials Science</i> , 2019, 54, 9385-9396.	3.7	106
28	Hierarchical 3D All-Carbon Composite Structure Modified with N-Doped Graphene Quantum Dots for High-Performance Flexible Supercapacitors. <i>Small</i> , 2018, 14, e1801498.	10.0	105
29	Multifunctional polyglycerol-grafted Fe ₃ O ₄ @SiO ₂ nanoparticles for targeting ovarian cancer cells. <i>Biomaterials</i> , 2011, 32, 2166-2173.	11.4	100
30	Nitrogen and oxygen co-doped graphene quantum dots with high capacitance performance for micro-supercapacitors. <i>Carbon</i> , 2018, 139, 67-75.	10.3	98
31	Rationally Designed Efficient Dual-Mode Colorimetric/Fluorescence Sensor Based on Carbon Dots for Detection of pH and Cu ²⁺ Ions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12668-12674.	6.7	96
32	Sustainable Synthesis of Bright Green Fluorescent Nitrogen-Doped Carbon Quantum Dots from Alkali Lignin. <i>ChemSusChem</i> , 2019, 12, 4202-4210.	6.8	92
33	Assessment of renal tissue elasticity by acoustic radiation force impulse quantification with histopathological correlation: preliminary experience in chronic kidney disease. <i>European Radiology</i> , 2014, 24, 1694-1699.	4.5	91
34	Functionalization of reduced graphene oxide nanosheets via stacking interactions with the fluorescent and water-soluble perylene bisimide-containing polymers. <i>Polymer</i> , 2011, 52, 2376-2383.	3.8	89
35	Efficient photocatalytic degradation of ibuprofen in aqueous solution using novel visible-light responsive graphene quantum dot/AgVO ₃ nanoribbons. <i>Journal of Hazardous Materials</i> , 2016, 312, 298-306.	12.4	89
36	Regulation of functional groups on graphene quantum dots directs selective CO ₂ to CH ₄ conversion. <i>Nature Communications</i> , 2021, 12, 5265.	12.8	89

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37	Simulated solar driven catalytic degradation of psychiatric drug carbamazepine with binary BiVO ₄ heterostructures sensitized by graphene quantum dots. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 587-596.	20.2	87
38	Analyzing collaborative relationships among industrialized construction technology innovation organizations: A combined SNA and SEM approach. <i>Journal of Cleaner Production</i> , 2018, 173, 265-277.	9.3	87
39	Plant HP1 protein ADCP1 links multivalent H3K9 methylation readout to heterochromatin formation. <i>Cell Research</i> , 2019, 29, 54-66.	12.0	83
40	THE PAN-PACIFIC PLANET SEARCH. I. A GIANT PLANET ORBITING 7 CMa. <i>Astrophysical Journal</i> , 2011, 743, 184.	4.5	81
41	Sintering characteristics of sewage sludge ashes at elevated temperatures. <i>Fuel Processing Technology</i> , 2012, 96, 88-97.	7.2	81
42	Room-temperature synthesis of graphene quantum dots via electron-beam irradiation and their application in cell imaging. <i>Chemical Engineering Journal</i> , 2017, 309, 374-380.	12.7	81
43	Three Minute Ultrarapid Microwave-Assisted Synthesis of Bright Fluorescent Graphene Quantum Dots for Live Cell Staining and White LEDs. <i>ACS Applied Nano Materials</i> , 2018, 1, 1623-1630.	5.0	81
44	Hindered Nanoparticle Diffusion and Void Accessibility in a Three-Dimensional Porous Medium. <i>ACS Nano</i> , 2015, 9, 2148-2156.	14.6	80
45	Inference of person-to-person transmission of COVID-19 reveals hidden super-spreading events during the early outbreak phase. <i>Nature Communications</i> , 2020, 11, 5006.	12.8	80
46	Assembling nitrogen and oxygen co-doped graphene quantum dots onto hierarchical carbon networks for all-solid-state flexible supercapacitors. <i>Electrochimica Acta</i> , 2017, 235, 561-569.	5.2	78
47	Boosting the energy storage densities of supercapacitors by incorporating N-doped graphene quantum dots into cubic porous carbon. <i>Nanoscale</i> , 2018, 10, 22871-22883.	5.6	78
48	High transmission nanoscale bowtie-shaped aperture probe for near-field optical imaging. <i>Applied Physics Letters</i> , 2007, 90, 261105.	3.3	75
49	C-axis preferentially oriented and fully activated TiO ₂ nanotube arrays for lithium ion batteries and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11454-11464.	10.3	75
50	Voltammetric Determination of Lead (II) and Cadmium (II) Using a Bismuth Film Electrode Modified with Mesoporous Silica Nanoparticles. <i>Electrochimica Acta</i> , 2014, 132, 223-229.	5.2	74
51	Boosting ORR Electrocatalytic Performance of Metal-Free Mesoporous Biomass Carbon by Synergism of Huge Specific Surface Area and Ultrahigh Pyridinic Nitrogen Doping. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13807-13812.	6.7	74
52	Nearly monodisperse graphene quantum dots fabricated by amine-assisted cutting and ultrafiltration. <i>Nanoscale</i> , 2013, 5, 12098.	5.6	73
53	Isolation of vanadium-resistance endophytic bacterium PRE01 from <i>Pteris vittata</i> in stone coal smelting district and characterization for potential use in phytoremediation. <i>Journal of Hazardous Materials</i> , 2018, 341, 1-9.	12.4	72
54	Investigation of rye straw ash sintering characteristics and the effect of additives. <i>Applied Energy</i> , 2016, 162, 1195-1204.	10.1	70

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55	Catalyst-Free, Selective Growth of ZnO Nanowires on SiO ₂ by Chemical Vapor Deposition for Transfer-Free Fabrication of UV Photodetectors. ACS Applied Materials & Interfaces, 2015, 7, 20264-20271.	8.0	69
56	Investigation of Biomass Ash Sintering Characteristics and the Effect of Additives. Energy & Fuels, 2014, 28, 208-218.	5.1	68
57	Industrial production of ultra-stable sulfonated graphene quantum dots for Golgi apparatus imaging. Journal of Materials Chemistry B, 2017, 5, 5355-5361.	5.8	68
58	The Novel KLF4/MSI2 Signaling Pathway Regulates Growth and Metastasis of Pancreatic Cancer. Clinical Cancer Research, 2017, 23, 687-696.	7.0	67
59	Is Elevated Pressure Required To Achieve a High Fixed-Carbon Yield of Charcoal from Biomass? Part 1: Round-Robin Results for Three Different Corncob Materials. Energy & Fuels, 2011, 25, 3251-3265.	5.1	66
60	Effects of endophytes inoculation on rhizosphere and endosphere microecology of Indian mustard (Brassica juncea) grown in vanadium-contaminated soil and its enhancement on phytoremediation. Chemosphere, 2020, 240, 124891.	8.2	66
61	Is Elevated Pressure Required to Achieve a High Fixed-Carbon Yield of Charcoal from Biomass? Part 2: The Importance of Particle Size. Energy & Fuels, 2013, 27, 2146-2156.	5.1	64
62	Analysis of optimal temperature, pressure and binder quantity for the production of biocarbon pellet to be used as a substitute for coke. Applied Energy, 2019, 256, 113933.	10.1	64
63	Exploring the science of resilience: critical review and bibliometric analysis. Natural Hazards, 2018, 90, 477-510.	3.4	63
64	SPECTROSCOPIC ANALYSIS OF METAL-POOR STARS FROM LAMOST: EARLY RESULTS. Astrophysical Journal, 2015, 798, 110.	4.5	62
65	Influence of sub-micron surface patterns on the deposition of model proteins during active filtration. Journal of Membrane Science, 2013, 444, 420-428.	8.2	61
66	Role of Pyridinic-N for Nitrogen-doped graphene quantum dots in oxygen reaction reduction. Journal of Colloid and Interface Science, 2017, 508, 154-158.	9.4	61
67	Amine-enriched Graphene Quantum Dots for High-pseudocapacitance Supercapacitors. Electrochimica Acta, 2016, 208, 260-266.	5.2	60
68	Graphene-Encapsulated CuP ₂ : A Promising Anode Material with High Reversible Capacity and Superior Rate-Performance for Sodium-Ion Batteries. Nano Letters, 2019, 19, 2575-2582.	9.1	60
69	Effects of Sewage Sludge and Marble Sludge Addition on Slag Characteristics during Wood Waste Pellets Combustion. Energy & Fuels, 2011, 25, 5775-5785.	5.1	59
70	Smartphone app-based/portable sensor for the detection of fluoro-surfactant PFOA. Chemosphere, 2018, 191, 381-388.	8.2	59
71	Hierarchical construction of high-performance all-carbon flexible fiber supercapacitors with graphene hydrogel and nitrogen-doped graphene quantum dots. Carbon, 2019, 154, 410-419.	10.3	58
72	Anodic stripping voltammetric determination of traces of Pb(II) and Cd(II) using a glassy carbon electrode modified with bismuth nanoparticles. Mikrochimica Acta, 2014, 181, 1199-1206.	5.0	57

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73	Brillouin optical time domain analyzer sensors assisted by advanced image denoising techniques. Optics Express, 2018, 26, 5126.	3.4	57
74	Synthesis of graphene quantum dot/metal-organic framework nanocomposites as yellow phosphors for white light-emitting diodes. New Journal of Chemistry, 2018, 42, 5083-5089.	2.8	56
75	Nanopatterning using NSOM probes integrated with high transmission nanoscale bowtie aperture. Optics Express, 2008, 16, 2584.	3.4	55
76	Exosomal double-stranded DNA as a biomarker for the diagnosis and preoperative assessment of pheochromocytoma and paraganglioma. Molecular Cancer, 2018, 17, 128.	19.2	55
77	Bat-Origin Coronaviruses Expand Their Host Range to Pigs. Trends in Microbiology, 2018, 26, 466-470.	7.7	52
78	A novel additive manufactured three-dimensional piezoelectric transducer: Systematic modeling and experimental validation. Mechanical Systems and Signal Processing, 2019, 114, 346-365.	8.0	52
79	Carrier engineering of carbon nitride boosts visible-light photocatalytic hydrogen evolution. Carbon, 2021, 179, 80-88.	10.3	52
80	Investigation of additives for preventing ash fouling and sintering during barley straw combustion. Applied Thermal Engineering, 2014, 70, 1262-1269.	6.0	51
81	Seasonal and spatial distribution of 4-tert-octylphenol, 4-nonylphenol and bisphenol A in the Huangpu River and its tributaries, Shanghai, China. Environmental Monitoring and Assessment, 2013, 185, 3149-3161.	2.7	50
82	A three-dimensional interconnected hierarchical FeOOH/TiO ₂ /ZnO nanostructural photoanode for enhancing the performance of photoelectrochemical water oxidation. Nanoscale, 2015, 7, 19178-19183.	5.6	50
83	Deep neural networks assisted BOTDA for simultaneous temperature and strain measurement with enhanced accuracy. Optics Express, 2019, 27, 2530.	3.4	50
84	Sintering Characteristics and Mineral Transformation Behaviors of Corn Cob Ashes. Energy & Fuels, 2012, 26, 5905-5916.	5.1	49
85	ASTEROSEISMIC-BASED ESTIMATION OF THE SURFACE GRAVITY FOR THE LAMOST GIANT STARS. Astrophysical Journal, 2015, 807, 4.	4.5	49
86	Microglial Calm2 regulates neuroinflammation and contributes to Alzheimer's disease pathology. Science Advances, 2021, 7, .	10.3	49
87	Enhanced photocatalytic activity of sulfur-doped graphene quantum dots decorated with TiO ₂ nanocomposites. Materials Research Bulletin, 2018, 97, 428-435.	5.2	49
88	Hippo transducer TAZ promotes epithelial mesenchymal transition and supports pancreatic cancer progression. Oncotarget, 2015, 6, 35949-35963.	1.8	49
89	Sintering Behavior of Agricultural Residues Ashes and Effects of Additives. Energy & Fuels, 2012, 26, 5917-5929.	5.1	48
90	THE PAN-PACIFIC PLANET SEARCH. IV. TWO SUPER-JUPITERS IN A 3:5 RESONANCE ORBITING THE GIANT STAR HD 33844. Astrophysical Journal, 2016, 818, 35.	4.5	48

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91	THE PAN-PACIFIC PLANET SEARCH. VI. GIANT PLANETS ORBITING HD 86950 AND HD 222076. <i>Astronomical Journal</i> , 2017, 153, 51.	4.7	48
92	Effects of Additives on Barley Straw and Husk Ashes Sintering Characteristics. <i>Energy Procedia</i> , 2012, 20, 30-39.	1.8	47
93	Amphiphilic Graphene Quantum Dots as Self-Targeted Fluorescence Probes for Cell Nucleus Imaging. <i>Advanced Biology</i> , 2018, 2, 1700191.	3.0	47
94	Rational Design of Oxygen-Enriched Carbon Dots with Efficient Room-Temperature Phosphorescent Properties and High-Tech Security Protection Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19918-19924.	6.7	47
95	White luminescent single-crystalline chlorinated graphene quantum dots. <i>Nanoscale Horizons</i> , 2020, 5, 928-933.	8.0	47
96	Hairy Hybrid Nanoparticles of Magnetic Core, Fluorescent Silica Shell, and Functional Polymer Brushes. <i>Macromolecules</i> , 2009, 42, 8561-8565.	4.8	46
97	Collaborative innovation in construction project: A social network perspective. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 417-427.	1.9	46
98	Ultrastable Amine, Sulfo Cofunctionalized Graphene Quantum Dots with High Two-Photon Fluorescence for Cellular Imaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4711-4716.	6.7	45
99	Facile Synthesis of Silver Bromide-Based Nanomaterials and Their Efficient and Rapid Selective Adsorption Mechanisms Toward Anionic Dyes. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4617-4625.	6.7	44
100	RNA Targets Ribogenesis Factor WDR43 to Chromatin for Transcription and Pluripotency Control. <i>Molecular Cell</i> , 2019, 75, 102-116.e9.	9.7	43
101	The molecular basis for SARS-CoV-2 binding to dog ACE2. <i>Nature Communications</i> , 2021, 12, 4195.	12.8	43
102	Exploring the Emerging Evolution Trends of Urban Resilience Research by Scientometric Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2181.	2.6	42
103	Assembly of pi-functionalized quaternary ammonium compounds with graphene hydrogel for efficient water disinfection. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 149-158.	9.4	41
104	Effect of Torrefaction on Properties of Pellets Produced from Woody Biomass. <i>Energy & Fuels</i> , 2020, 34, 15343-15354.	5.1	40
105	Kinetics of Corncob Pyrolysis. <i>Energy & Fuels</i> , 2012, 26, 2005-2013.	5.1	39
106	Investigation of Copper(II) Interference on the Anodic Stripping Voltammetry of Lead(II) and Cadmium(II) at Bismuth Film Electrode. <i>Electroanalysis</i> , 2013, 25, 2637-2644.	2.9	39
107	Nonlinear finite element analysis of liquid sloshing in complex vehicle motion scenarios. <i>Journal of Sound and Vibration</i> , 2017, 405, 208-233.	3.9	39
108	Phosphorescence Tuning of Fluorine, Oxygen-Codoped Carbon Dots by Substrate Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 16262-16269.	6.7	38

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109	Impact of Torrefaction on Woody Biomass Properties. <i>Energy Procedia</i> , 2017, 105, 1149-1154.	1.8	37
110	Antimicrobial graphene materials: the interplay of complex materials characteristics and competing mechanisms. <i>Biomaterials Science</i> , 2018, 6, 766-773.	5.4	37
111	Targeted delivery of miR-99b reprograms tumor-associated macrophage phenotype leading to tumor regression. , 2020, 8, e000517.		37
112	One-Pot Synthesis of Orange Emissive Carbon Quantum Dots for All-Type High Color Rendering Index White Light-Emitting Diodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 8289-8296.	6.7	37
113	Effects of Pyrolysis Conditions and Feedstocks on the Properties and Gasification Reactivity of Charcoal from Woodchips. <i>Energy & Fuels</i> , 2020, 34, 8353-8365.	5.1	36
114	Contact optical nanolithography using nanoscale C-shaped apertures. <i>Optics Express</i> , 2006, 14, 9902.	3.4	35
115	THE PAN-PACIFIC PLANET SEARCH. II. CONFIRMATION OF A TWO-PLANET SYSTEM AROUND HD 121056. <i>Astrophysical Journal</i> , 2015, 800, 74.	4.5	35
116	A PAIR OF GIANT PLANETS AROUND THE EVOLVED INTERMEDIATE-MASS STAR HD 47366: MULTIPLE CIRCULAR ORBITS OR A MUTUALLY RETROGRADE CONFIGURATION. <i>Astrophysical Journal</i> , 2016, 819, 59.	4.5	35
117	Investigation on Ash Slagging Characteristics During Combustion of Biomass Pellets and Effect of Additives. <i>Energy & Fuels</i> , 2018, 32, 4442-4452.	5.1	35
118	Nanocarbon materials in water disinfection: state-of-the-art and future directions. <i>Nanoscale</i> , 2019, 11, 9819-9839.	5.6	35
119	Dynamics investigation of spatial parallel mechanism considering rod flexibility and spherical joint clearance. <i>Mechanism and Machine Theory</i> , 2019, 137, 83-107.	4.5	35
120	Isothermal and non-isothermal kinetic study on CO ₂ gasification of torrefied forest residues. <i>Biomass and Bioenergy</i> , 2016, 91, 175-185.	5.7	34
121	Unravelling the Role of Strong Metal-Support Interactions in Boosting the Activity toward Hydrogen Evolution Reaction on Ir Nanoparticle/N-Doped Carbon Nanosheet Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22448-22456.	8.0	34
122	Novel Poly(l-lactide)/graphene oxide films with improved mechanical flexibility and antibacterial activity. <i>Journal of Colloid and Interface Science</i> , 2017, 507, 344-352.	9.4	33
123	Neurotrophin-3 acts on the endothelial-mesenchymal transition of heterotopic ossification in rats. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 2595-2609.	3.6	32
124	Synergistic effect of biomass and polyurethane waste co-pyrolysis on soot formation at high temperatures. <i>Journal of Environmental Management</i> , 2019, 239, 306-315.	7.8	32
125	Theoretical analysis and experimental investigation on a novel self-moving linear piezoelectric stepping actuator. <i>Mechanical Systems and Signal Processing</i> , 2020, 135, 106183.	8.0	32
126	Learn to Compress CSI and Allocate Resources in Vehicular Networks. <i>IEEE Transactions on Communications</i> , 2020, 68, 3640-3653.	7.8	32

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127	Contrast-enhanced ultrasound study of primary hepatic angiosarcoma: A pitfall of non-enhancement. <i>European Journal of Radiology</i> , 2012, 81, 2054-2059.	2.6	31
128	CO ₂ Gasification of Chars Prepared from Wood and Forest Residue: A Kinetic Study. <i>Energy & Fuels</i> , 2013, 27, 6098-6107.	5.1	31
129	Interactive effects of PAHs and heavy metal mixtures on oxidative stress in <i>Chlorella</i> sp. MM3 as determined by artificial neural network and genetic algorithm. <i>Algal Research</i> , 2017, 21, 203-212.	4.6	31
130	Pancreatic Acinar-to-Ductal Metaplasia and Pancreatic Cancer. <i>Methods in Molecular Biology</i> , 2019, 1882, 299-308.	0.9	31
131	A mathematical model of biomass downdraft gasification with an integrated pyrolysis model. <i>Fuel</i> , 2020, 265, 116867.	6.4	31
132	VOC emissions of coal-fired power plants in China based on life cycle assessment method. <i>Fuel</i> , 2021, 292, 120325.	6.4	31
133	Multi-Round Incentive Mechanism for Cold Start-Enabled Mobile Crowdsensing. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 993-1007.	6.3	31
134	A novel sandwich-type traveling wave piezoelectric tracked mobile system. <i>Ultrasonics</i> , 2017, 75, 28-35.	3.9	30
135	Facile conversion of coal tar to orange fluorescent carbon quantum dots and their composite encapsulated by liposomes for bioimaging. <i>New Journal of Chemistry</i> , 2017, 41, 14444-14451.	2.8	30
136	Support vector machine assisted BOTDA utilizing combined Brillouin gain and phase information for enhanced sensing accuracy. <i>Optics Express</i> , 2017, 25, 31210.	3.4	30
137	Distributed Vibration Sensor Based on Space-Division Multiplexed Reflectometer and Interferometer in Multicore Fiber. <i>Journal of Lightwave Technology</i> , 2018, 36, 5764-5772.	4.6	30
138	Semi-analytical modeling and optimization of a traveling wave sandwich piezoelectric transducer with a beam-ring combined structure. <i>Mechanical Systems and Signal Processing</i> , 2019, 122, 171-191.	8.0	30
139	Production and use of biochar from lignin and lignin-rich residues (such as digestate and olive) Tj ETQq1 1 0.784314 rgBT /Overlock 1 5.5 30	5.5	30
140	One-step process to create porous structures in cross-linked polymer films via breath-figure formations during in situ cross-linking reactions. <i>Polymer</i> , 2011, 52, 5102-5106.	3.8	29
141	Effect of Torrefaction on Physical Properties and Conversion Behavior of High Heating Rate Char of Forest Residue. <i>Energy & Fuels</i> , 2015, 29, 177-184.	5.1	29
142	Experimental Study on Charcoal Production from Woody Biomass. <i>Energy & Fuels</i> , 2016, 30, 7994-8008.	5.1	29
143	Sorghum-Waste-Derived High-Surface Area KOH-Activated Porous Carbon for Highly Efficient Methylene Blue and Pb(II) Removal. <i>ACS Omega</i> , 2020, 5, 13548-13556.	3.5	29
144	Non-covalent synthesis of thermo-responsive graphene oxide- ϵ -perylene bisimides-containing poly(N-isopropylacrylamide) hybrid for organic pigment removal. <i>Journal of Colloid and Interface Science</i> , 2014, 430, 121-128.	9.4	28

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145	High temperature gasification of high heating-rate chars using a flat-flame reactor. <i>Applied Energy</i> , 2018, 227, 100-107.	10.1	28
146	PPy-encapsulated SnS ₂ Nanosheets Stabilized by Defects on a TiO ₂ Support as a Durable Anode Material for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2019, 131, 821-825.	2.0	28
147	Nanolithography using high transmission nanoscale ridge aperture probe. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 93, 881-884.	2.3	27
148	Water-soluble highly fluorescent poly[poly(ethylene glycol) methyl ether methacrylate] for cell labeling. <i>Journal of Materials Chemistry</i> , 2011, 21, 6502.	6.7	27
149	Experimental and Modeling Study of the Effect of Torrefaction on the Rapid Devolatilization of Biomass. <i>Energy & Fuels</i> , 2015, 29, 4328-4338.	5.1	27
150	A novel robotic arm driven by sandwich piezoelectric transducers. <i>Ultrasonics</i> , 2018, 84, 373-381.	3.9	27
151	Yellow fluorescent graphene quantum dots as a phosphor for white tunable light-emitting diodes. <i>RSC Advances</i> , 2019, 9, 9301-9307.	3.6	27
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