

Dong Liu

List of Publications by Year in descending order

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576
papers

19,069
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17405

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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.	9.7	61
2	Nanostructure and reactivity of soot from biofuel 2,5-dimethylfuran pyrolysis with CO ₂ additions. Frontiers in Energy, 2022, 16, 292-306.	1.2	10
3	E-Commerce Storytelling Recommendation Using Attentional Domain-Transfer Network and Adversarial Pre-Training. IEEE Transactions on Multimedia, 2022, 24, 506-518.	5.2	6
4	Tradeoff Between Robustness and Functionality in Cyber-Coupled Power Systems. IEEE Systems Journal, 2022, 16, 499-509.	2.9	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.	5.6	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.	5.8	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.	6.6	13
8	Nanostructured hexaazatrinaphthalene based polymers for advanced energy conversion and storage. Chemical Engineering Journal, 2022, 427, 130995.	6.6	16
9	Defect Engineering in Photocatalytic Methane Conversion. Small Structures, 2022, 3, 2100147.	6.9	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.	10.8	42
11	Effects of aluminum addition on flash ignition and combustion of boron nanoparticles. Combustion and Flame, 2022, 236, 111762.	2.8	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.	3.3	14
13	Single-atom-based catalysts for photoelectrocatalysis: challenges and opportunities. Journal of Materials Chemistry A, 2022, 10, 5878-5888.	5.2	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.	3.0	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.	2.8	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.	4.5	15
17	Effects of oxygenated biofuel additives on soot formation: A comprehensive review of laboratory-scale studies. Fuel, 2022, 313, 122635.	3.4	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.	2.7	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.	3.1	47
20	Optimal design of hydro-wind-PV multi-energy complementary systems considering smooth power output. Sustainable Energy Technologies and Assessments, 2022, 50, 101832.	1.7	14
21	Lidar Ratio Regional Transfer Method for Extinction Coefficient Accuracy Improvement in Lidar Networks. Remote Sensing, 2022, 14, 626.	1.8	0
22	Recent Advances in Porous Materials for Photocatalytic CO ₂ Reduction. Journal of Physical Chemistry Letters, 2022, 13, 1272-1282.	2.1	30
23	Characteristics of snowmelt transport in farmland soil in cold regions: The regulatory mechanism of biochar. Hydrological Processes, 2022, 36, .	1.1	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.	6.6	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.	2.7	16
26	Evolving framework of studies on global gulf ecosystems with Sustainable Development Goals. Environmental Science and Pollution Research, 2022, 29, 18385-18397.	2.7	4
27	Efficient Dye Contaminant Elimination and Simultaneously Electricity Production via a Bi-Doped TiO ₂ Photocatalytic Fuel Cell. Nanomaterials, 2022, 12, 210.	1.9	6
28	Anemochore Seeds Harbor Distinct Fungal and Bacterial Abundance, Composition, and Functional Profiles. Journal of Fungi (Basel, Switzerland), 2022, 8, 89.	1.5	6
29	Textile-based moisture power generator with dual asymmetric structure and high flexibility for wearable applications. Nano Energy, 2022, 95, 107017.	8.2	43
30	Enhancing ionic conductivity in tablet-bottlebrush block copolymer electrolytes with well-aligned nanostructures via solvent vapor annealing. Journal of Materials Chemistry C, 2022, 10, 4247-4256.	2.7	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.	5.0	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.	5.2	23
33	Ordered structure constructed from C ₂ -symmetric hexa-peri-hexabenzocoronene linked with oligo(dimethylsiloxane). Soft Matter, 2022, 18, 3430-3436.	1.2	3
34	Nonlinear Behavior and Reduced-Order Models of Islanded Microgrid. IEEE Transactions on Power Electronics, 2022, 37, 9212-9225.	5.4	4
35	Water Cloud Detection with Circular Polarization Lidar: A Semianalytic Monte Carlo Simulation Approach. Sensors, 2022, 22, 1679.	2.1	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.	1.6	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.	1.5	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.	5.1	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.	6.6	74
40	Boosting Li-CO ₂ battery performances by creating holey structure on CNT cathodes. <i>Electrochimica Acta</i> , 2022, 417, 140310.	2.6	12
41	Hopf Bifurcation and Parameter Sensitivity Analysis of a Doubly-Fed Variable-Speed Pumped Storage Unit. <i>Energies</i> , 2022, 15, 204.	1.6	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.	5.5	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.	1.2	1
44	Attribute Artifacts Removal for Geometry-Based Point Cloud Compression. <i>IEEE Transactions on Image Processing</i> , 2022, 31, 3399-3413.	6.0	9
45	Probing sooting limits in counterflow diffusion flames via multiple optical diagnostic techniques. <i>Experimental Thermal and Fluid Science</i> , 2022, 136, 110679.	1.5	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.	4.0	12
47	Effects of Volumetric Property Models on the Efficiency of a Porous Volumetric Solar Receiver. <i>Energies</i> , 2022, 15, 3899.	1.6	3
48	Quantitative optical diagnostics on macroscopic soot onset for ethylene diffusion flames with ethyl ester addition. <i>Optics Express</i> , 2022, 30, 21410.	1.7	5
49	Water-Soluble Conductive Composite Binder for High-Performance Silicon Anode in Lithium-Ion Batteries. <i>Batteries</i> , 2022, 8, 54.	2.1	8
50	Compressed-Encoding Particle Swarm Optimization with Fuzzy Learning for Large-Scale Feature Selection. <i>Symmetry</i> , 2022, 14, 1142.	1.1	18
51	Effects of diluent gases on sooting transition process in ethylene counterflow diffusion flames. <i>RSC Advances</i> , 2022, 12, 18181-18196.	1.7	2
52	Disparity-Aware Reference Frame Generation Network for Multiview Video Coding. <i>IEEE Transactions on Image Processing</i> , 2022, 31, 4515-4526.	6.0	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.	5.1	13
54	Solar Energy Storage in an All-Vanadium Photoelectrochemical Cell: Structural Effect of Titania Nanocatalyst in Photoanode. <i>Energies</i> , 2022, 15, 4508.	1.6	2

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55	Effects of flame temperature and radiation properties on infrared light field imaging. Case Studies in Thermal Engineering, 2022, 36, 102215.	2.8	2
56	Expression analysis of nel during zebrafish embryonic development. Gene Expression Patterns, 2022, 45, 119258.	0.3	1
57	Measurements and correlation of hydraulic resistance for H2O/CO2 mixtures at supercritical pressure. International Journal of Heat and Mass Transfer, 2022, 194, 123095.	2.5	3
58	Comprehensive optical diagnostics for flame behavior and soot emission response to a non-equilibrium plasma. Energy, 2022, 255, 124555.	4.5	4
59	Meshed axisymmetric flame simulation and temperature reconstruction using light field camera. Optics and Lasers in Engineering, 2022, 158, 107159.	2.0	6
60	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.	10.8	62
61	A hollow PdCuMoNiCo high-entropy alloy as an efficient bi-functional electrocatalyst for oxygen reduction and formic acid oxidation. Journal of Materials Chemistry A, 2022, 10, 14857-14865.	5.2	28
62	Ultra-stretchable ion gels based on physically cross-linked polymer networks. Journal of Materials Chemistry C, 2022, 10, 10926-10934.	2.7	4
63	Deep High-Resolution Representation Learning for Visual Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 3349-3364.	9.7	1,553
64	Learning and Fusing Multiple User Interest Representations for Micro-Video and Movie Recommendations. IEEE Transactions on Multimedia, 2021, 23, 484-496.	5.2	32
65	Ensemble Learning-Based Rate-Distortion Optimization for End-to-End Image Compression. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1193-1207.	5.6	27
66	Deep Adversarial Data Augmentation for Extremely Low Data Regimes. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 15-28.	5.6	40
67	Soot properties in ethylene inverse diffusion flames blended with different carbon chain length alcohols. Fuel, 2021, 287, 119520.	3.4	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. Chinese Journal of Aeronautics, 2021, 34, 476-492.	2.8	10
69	Systematic profiling of early regulators during tissue regeneration using zebrafish model. Wound Repair and Regeneration, 2021, 29, 189-195.	1.5	5
70	Formation and characteristics of soot from pyrolysis of ethylene blended with furan fuels. Science China Technological Sciences, 2021, 64, 585-598.	2.0	9
71	High-performance metal-free iodine batteries enabled by a bifunctional dendrite-free Li-Na alloy anode. Journal of Materials Chemistry A, 2021, 9, 538-545.	5.2	18
72	A high-pressure artificial photosynthetic device: pumping carbon dioxide as well as achieving selectivity. Journal of Materials Chemistry A, 2021, 9, 3961-3967.	5.2	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.	5.8	50
74	Deep Multi-Domain Prediction for 3D Video Coding. <i>IEEE Transactions on Broadcasting</i> , 2021, 67, 813-823.	2.5	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.	2.8	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.	2.2	25
77	Is Heuristic Sampling Necessary in Training Deep Object Detectors?. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 8454-8467.	6.0	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.	5.6	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.	6.5	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.	1.5	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.	1.1	3
82	Plasmonic Coupling Architectures for Enhanced Photocatalysis. <i>Advanced Materials</i> , 2021, 33, e2005738.	11.1	51
83	E2I: Generative Inpainting From Edge to Image. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021, 31, 1308-1322.	5.6	48
84	An efficient combination strategy for high-performance asymmetric-electrolyte metal-air batteries. <i>Matter</i> , 2021, 4, 1090-1092.	5.0	5
85	Nanopore Sequencing and Hi-C Based De Novo Assembly of <i>Trachidermus fasciatus</i> Genome. <i>Genes</i> , 2021, 12, 692.	1.0	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.	2.7	27
87	Semantics-to-Signal Scalable Image Compression with Learned Reversible Representations. <i>International Journal of Computer Vision</i> , 2021, 129, 2605-2621.	10.9	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.	10.2	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.	5.1	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.	1.2	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.	3.1	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.	5.4	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.	4.0	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.	5.1	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.	1.2	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.	5.3	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.	1.4	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.	5.2	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.	2.7	10
100	Boron, nitrogen co-doped carbon with abundant mesopores for efficient CO ₂ electroreduction. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120543.	10.8	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.	0.3	0
102	Deep Learning-Based Video Coding. <i>ACM Computing Surveys</i> , 2021, 53, 1-35.	16.1	78
103	SSSIC: Semantics-to-Signal Scalable Image Coding With Learned Structural Representations. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 8939-8954.	6.0	13
104	Context-Adaptive Inverse Quantization for Inter-Frame Coding. <i>IEEE Open Journal of Circuits and Systems</i> , 2021, 2, 660-674.	1.4	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.	2.2	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.	1.3	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.	2.4	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.	5.6	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.	3.7	30
110	Interferometric measurement of freeform surfaces using irregular subaperture stitching. <i>Measurement Science and Technology</i> , 2020, 31, 055202.	1.4	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.	2.7	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.	5.6	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.	2.7	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.	5.6	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.	3.9	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.	5.6	8
117	iWave: CNN-Based Wavelet-Like Transform for Image Compression. <i>IEEE Transactions on Multimedia</i> , 2020, 22, 1667-1679.	5.2	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.	3.4	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.	3.4	13
120	Character-Oriented Video Summarization With Visual and Textual Cues. <i>IEEE Transactions on Multimedia</i> , 2020, 22, 2684-2697.	5.2	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.	1.8	5
122	States, Trends, and Future of Aquaponics Research. <i>Sustainability</i> , 2020, 12, 7783.	1.6	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.	10.2	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.	10.8	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.	1.0	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.	2.7	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.	2.5	7
128	A Comprehensive Benchmark for Single Image Compression Artifact Reduction. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 7845-7860.	6.0	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.	1.4	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.	1.8	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.	0.3	5
132	A Semianalytic Monte Carlo Simulator for Spaceborne Oceanic Lidar: Framework and Preliminary Results. <i>Remote Sensing</i> , 2020, 12, 2820.	1.8	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.	4.0	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.	0.9	3
135	Multiple Features Fusion Attention Mechanism Enhanced Deep Knowledge Tracing for Student Performance Prediction. <i>IEEE Access</i> , 2020, 8, 194894-194903.	2.6	22
136	Partition-Aware Adaptive Switching Neural Networks for Post-Processing in HEVC. <i>IEEE Transactions on Multimedia</i> , 2020, 22, 2749-2763.	5.2	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.	10.8	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.	0.2	0
139	Block Copolymer Electrolytes with Excellent Properties in a Wide Temperature Range. <i>ACS Applied Energy Materials</i> , 2020, 3, 6536-6543.	2.5	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.	2.8	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.	3.7	16
142	A compact Cas9 ortholog from <i>Staphylococcus Auricularis</i> (SauriCas9) expands the DNA targeting scope. <i>PLoS Biology</i> , 2020, 18, e3000686.	2.6	96
143	Construction of Nighttime Cloud Layer Height and Classification of Cloud Types. <i>Remote Sensing</i> , 2020, 12, 668.	1.8	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.	6.0	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.	6.0	12
146	Ultrathin-metal-film-based transparent electrodes with relative transmittance surpassing 100%. Nature Communications, 2020, 11, 3367.	5.8	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.	3.8	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.	7.2	25
149	Global pattern of studies on phosphorus at watershed scale. Environmental Science and Pollution Research, 2020, 27, 14872-14882.	2.7	5
150	Nitrogen-rich holey graphene for efficient oxygen reduction reaction. Carbon, 2020, 162, 66-73.	5.4	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.	2.7	7
152	Zero-Shot Depth Estimation From Light Field Using A Convolutional Neural Network. IEEE Transactions on Computational Imaging, 2020, 6, 682-696.	2.6	40
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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	0.2	10
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