

Jun Ding

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	3D Printing of Next-Generation Electrochemical Energy Storage Devices: from Multiscale to Multimaterial. <i>Energy and Environmental Materials</i> , 2022, 5, 427-438.	12.8	25
2	High temperature co-firing of 3D-printed Al ZnO/Al ₂ O ₃ multi-material two-phase flow sensor. <i>Journal of Materiomics</i> , 2022, 8, 710-718.	5.7	6
3	Near-Zero Hysteresis Ionic Conductive Elastomers with Long-Term Stability for Sensing Applications. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11727-11738.	8.0	14
4	3D-Printed Hierarchical Ceramic Architectures for Ultrafast Emulsion Treatment and Simultaneous Oil-Water Filtration. , 2022, 4, 740-750.		16
5	Tuning the near room temperature oxidation behavior of high-entropy alloy nanoparticles. <i>Nano Research</i> , 2022, 15, 3569-3574.	10.4	6
6	Anomalous size effect on yield strength enabled by compositional heterogeneity in high-entropy alloy nanoparticles. <i>Nature Communications</i> , 2022, 13, 2789.	12.8	26
7	Additive manufacturing solidification methodologies for ink formulation. <i>Additive Manufacturing</i> , 2022, 56, 102939.	3.0	13
8	Incorporating Metal Precursors towards a Library of High-resolution Metal Parts by Stereolithography. <i>Applied Materials Today</i> , 2022, 29, 101553.	4.3	3
9	Direct Ink Writing for High-Efficiency Microwave Attenuation with Nanofibers Alignment. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 31267-31276.	8.0	4
10	Direct ink writing of programmable functional silicone-based composites for 4D printing applications. , 2022, 1, 507-516.		25
11	A Stable [4,3]Perylene Diradicaloid: Synthesis, Structure, and Electronic Properties. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4464-4469.	13.8	45
12	Additively manufactured heterogeneously porous metallic bone with biostructural functions and bone-like mechanical properties. <i>Journal of Materials Science and Technology</i> , 2021, 62, 173-179.	10.7	42
13	Bioinspired Fractal Design of Waste Biomass-Derived Solar-Thermal Materials for Highly Efficient Solar Evaporation. <i>Advanced Functional Materials</i> , 2021, 31, 2007648.	14.9	98
14	Robust, 3D-printed hydratable plastics for effective solar desalination. <i>Nano Energy</i> , 2021, 79, 105436.	16.0	52
15	3D printing-assisted gyroidal graphite foam for advanced supercapacitors. <i>Chemical Engineering Journal</i> , 2021, 416, 127885.	12.7	32
16	A Stable [4,3]Perylene Diradicaloid: Synthesis, Structure, and Electronic Properties. <i>Angewandte Chemie</i> , 2021, 133, 4514-4519.	2.0	12
17	Design and Manufacture of 3D-Printed Batteries. <i>Joule</i> , 2021, 5, 89-114.	24.0	137
18	Two-Dimensional Conjugated Covalent Organic Framework Films via Oxidative C-C Coupling Reactions at a Liquid-Liquid Interface. <i>Organic Materials</i> , 2021, 03, 060-066.	2.0	2

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19	Universal nature of the saddle states of structural excitations in metallic glasses. <i>Materials Today Physics</i> , 2021, 17, 100359.	6.0	20
20	Tuning the Spin Density of Cobalt Single-Atom Catalysts for Efficient Oxygen Evolution. <i>ACS Nano</i> , 2021, 15, 7105-7113.	14.6	90
21	Fabrication of 3D-Printed Ceramic Structures for Portable Solar Desalination Devices. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23220-23229.	8.0	42
22	Tensionâ€“compression asymmetry in amorphous silicon. <i>Nature Materials</i> , 2021, 20, 1371-1377.	27.5	36
23	Influence of the Aspect Ratio of Iron Oxide Nanorods on Hysteresis-Loss-Mediated Magnetic Hyperthermia. <i>ACS Applied Bio Materials</i> , 2021, 4, 4809-4820.	4.6	9
24	Microlattice Metamaterials with Simultaneous Superior Acoustic and Mechanical Energy Absorption. <i>Small</i> , 2021, 17, e2100336.	10.0	72
25	Local chemical fluctuation mediated ductility in body-centered-cubic high-entropy alloys. <i>Materials Today</i> , 2021, 46, 28-34.	14.2	98
26	Conductivity Modulation of 3Dâ€“Printed Shellular Electrodes through Embedding Nanocrystalline Intermetallics into Amorphous Matrix for Ultrahighâ€“Current Oxygen Evolution. <i>Advanced Energy Materials</i> , 2021, 11, 2100968.	19.5	40
27	Atomistic simulations of dislocation mobility in refractory high-entropy alloys and the effect of chemical short-range order. <i>Nature Communications</i> , 2021, 12, 4873.	12.8	138
28	Interfacial control of domain structure and magnetic anisotropy in La _{0.67} Sr _{0.33} MnO ₃ manganite heterostructures. <i>Physical Review B</i> , 2021, 104, .	3.2	5
29	Additive manufacturing of high-entropy alloys by thermophysical calculations and in situ alloying. <i>Journal of Materials Science and Technology</i> , 2021, 94, 53-66.	10.7	32
30	Solar Evaporation: Bioinspired Fractal Design of Waste Biomassâ€“Derived Solarâ€“Thermal Materials for Highly Efficient Solar Evaporation (<i>Adv. Funct. Mater.</i> 3/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170020.	14.9	5
31	Defects Engineering Induced Ultrahigh Magnetization in Rare Earth Element Ndâ€“Doped MoS ₂ . <i>Advanced Quantum Technologies</i> , 2021, 4, 2000093.	3.9	19
32	Re-entrance to a ferromagnetic insulator with oxygen-vacancy ordering in the La _{0.7} Sr _{0.3} MnO ₃ /SrTiO ₃ superlattice. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26717-26726.	10.3	2
33	Chemical short-range order in body-centered-cubic TiZrHfNb high-entropy alloys. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	15
34	2,6-/1,5-Naphthoquinodimethane bridged porphyrin dimer diradicaloids. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 220-229.	0.8	10
35	3D-Printed Grids with Polymeric Photocatalytic System as Flexible Air Filter. <i>Applied Catalysis B: Environmental</i> , 2020, 262, 118307.	20.2	28
36	3D-printed electrodes for lithium metal batteries with high areal capacity and high-rate capability. <i>Energy Storage Materials</i> , 2020, 24, 336-342.	18.0	105

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37	High Coercivity and Magnetization in WSe_2 by Codoping Co and Nb. <i>Small</i> , 2020, 16, e1903173.	10.0	43
38	Formation of a four-bladed waterwheel-type chloro-bridged dicopper(μ_2) complex with dithiamacrocycle <i>via</i> double <i>exo</i> -coordination. <i>Dalton Transactions</i> , 2020, 49, 1365-1369.	3.3	3
39	A 3D-printing method of fabrication for metals, ceramics, and multi-materials using a universal self-curable technique for robocasting. <i>Materials Horizons</i> , 2020, 7, 1083-1090.	12.2	51
40	Three Dimensionally Free-Formable Graphene Foam with Designed Structures for Energy and Environmental Applications. <i>ACS Nano</i> , 2020, 14, 937-947.	14.6	101
41	Enhanced Magnetic Anisotropy and Orbital Symmetry Breaking in Manganite Heterostructures. <i>Advanced Functional Materials</i> , 2020, 30, 1909536.	14.9	17
42	Controllable and Stable Quantized Conductance States in a Pt/HfO _x /ITO Memristor. <i>Advanced Electronic Materials</i> , 2020, 6, 1901055.	5.1	31
43	Solar-driven efficient methane catalytic oxidation over epitaxial ZnO/La _{0.8} Sr _{0.2} CoO ₃ heterojunctions. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118469.	20.2	44
44	Electron beam melted heterogeneously porous microlattices for metallic bone applications: Design and investigations of boundary and edge effects. <i>Additive Manufacturing</i> , 2020, 36, 101566.	3.0	14
45	Low-cost valence-rich copper-iron-sulfur-oxygen porous nanocluster that drives an exceptional energy-saving carbohydrazide oxidation reaction in alkali and near-neutral electrolytes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24419-24427.	10.3	4
46	Programmable, UV-Printable Dielectric Elastomers Actuate at Low Voltage without Prestretch and Supporting Frames. <i>ACS Applied Electronic Materials</i> , 2020, 2, 4042-4053.	4.3	6
47	Ab initio modeling of the energy landscape for screw dislocations in body-centered cubic high-entropy alloys. <i>Npj Computational Materials</i> , 2020, 6, .	8.7	58
48	A Stable Nitrogen-centered Bis(imino)perylene Dimer-based Diradicaloid. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 1798-1801.	2.7	2
49	Colossal Magnetization and Giant Coercivity in Ion-Implanted (Nb and Co) MoS_2 Crystals. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 58140-58148.	8.0	22
50	Imprinting Ferromagnetism and Superconductivity in Single Atomic Layers of Molecular Superlattices. <i>Advanced Materials</i> , 2020, 32, e1907645.	21.0	25
51	Short-range order and its impact on the CrCoNi medium-entropy alloy. <i>Nature</i> , 2020, 581, 283-287.	27.8	672
52	Super-hygroscopic film for wearables with dual functions of expediting sweat evaporation and energy harvesting. <i>Nano Energy</i> , 2020, 75, 104873.	16.0	52
53	Ultrafast Exfoliation of 2D Materials by Solvent Activation and One-Step Fabrication of All-2D-Material Photodetectors by Electrohydrodynamic Printing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 28840-28851.	8.0	34
54	Multimaterial 3D-printing of graphene/Li _{0.35} Zn _{0.3} Fe _{2.35} O ₄ and graphene/carbonyl iron composites with superior microwave absorption properties and adjustable bandwidth. <i>Carbon</i> , 2020, 167, 62-74.	10.3	78

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55	Domain Engineering in ReS ₂ by Coupling Strain during Electrochemical Exfoliation. <i>Advanced Functional Materials</i> , 2020, 30, 2003057.	14.9	22
56	Machine learning bridges local static structure with multiple properties in metallic glasses. <i>Materials Today</i> , 2020, 40, 48-62.	14.2	54
57	Critical Control of Highly Stable Nonstoichiometric Mn-Zn Ferrites with Outstanding Magnetic and Electromagnetic Performance for Gigahertz High-Frequency Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16609-16619.	8.0	22
58	Shaped para-Quinodimethane-Embedded Double [6]Helicene and Its Charged Species Showing Open-Shell Diradical Character. <i>Chemistry - A European Journal</i> , 2020, 26, 15613-15622.	3.3	15
59	Integrated wearable sensors with bending/stretching selectivity and extremely enhanced sensitivity derived from agarose-based ionic conductor and its 3D-shaping. <i>Chemical Engineering Journal</i> , 2020, 389, 124503.	12.7	16
60	Electrode-controlled confinement of conductive filaments in a nanocolumn embedded symmetric-asymmetric RRAM structure. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1577-1582.	5.5	16
61	3D global aromaticity in a fully conjugated diradicaloid cage at different oxidation states. <i>Nature Chemistry</i> , 2020, 12, 242-248.	13.6	101
62	Elucidating the Nature of the Cu(I) Active Site in CuO/TiO ₂ for Excellent Low-Temperature CO Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7091-7101.	8.0	51
63	3D-printed surface-patterned ceramic membrane with enhanced performance in crossflow filtration. <i>Journal of Membrane Science</i> , 2020, 606, 118138.	8.2	53
64	Realization of single-atom ferromagnetism in graphene by Cu-N ₄ moieties anchoring. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	9
65	Robust pure copper framework by extrusion 3D printing for advanced lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9058-9067.	10.3	51
66	Metallic microlattice and epoxy interpenetrating phase composites: Experimental and simulation studies on superior mechanical properties and their mechanisms. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 135, 105934.	7.6	38
67	Predicting the propensity for thermally activated \hat{I}^2 events in metallic glasses via interpretable machine learning. <i>Npj Computational Materials</i> , 2020, 6, .	8.7	35
68	Structure-Enhanced Mechanically Robust Graphite Foam with Ultrahigh MnO ₂ Loading for Supercapacitors. <i>Research</i> , 2020, 2020, 7304767.	5.7	24
69	Chemically Exfoliated VSe ₂ Monolayers with Room-Temperature Ferromagnetism. <i>Advanced Materials</i> , 2019, 31, e1903779.	21.0	251
70	High loading accessible active sites via designable 3D-printed metal architecture towards promoting electrocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18338-18347.	10.3	35
71	NiFe (sulfur)oxyhydroxide porous nanoclusters/Ni foam composite electrode drives a large-current-density oxygen evolution reaction with an ultra-low overpotential. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18816-18822.	10.3	30
72	Digital light processing 3D printing of graphene/carbonyl iron/polymethyl methacrylate nanocomposites for efficient microwave absorption. <i>Composites Part B: Engineering</i> , 2019, 179, 107533.	12.0	73

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73	Correlation of resistance switching and polarization rotation in copper doped zinc oxide (ZnO:Cu) thin films studied by Scanning Probe Microscopy. <i>Journal of Materiomics</i> , 2019, 5, 574-582.	5.7	2
74	Clustering-induced high magnetization in Co-doped TiO ₂ . <i>Emergent Materials</i> , 2019, 2, 295-301.	5.7	25
75	Confinement-Induced Giant Spin-Orbit-Coupled Magnetic Moment of Co Nanoclusters in TiO ₂ Films. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43781-43788.	8.0	8
76	Tuning the polarization rotation behavior in undoped zinc oxide thin films. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151900.	5.5	1
77	Asymmetric Structure Based Flexible Strain Sensor for Simultaneous Detection of Various Human Joint Motions. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1866-1872.	4.3	35
78	Oxygen Vacancy Promoted O ₂ Activation over Perovskite Oxide for Low-Temperature CO Oxidation. <i>ACS Catalysis</i> , 2019, 9, 9751-9763.	11.2	296
79	Constructing hierarchical carbon framework and quantifying water transfer for novel solar evaporation configuration. <i>Carbon</i> , 2019, 155, 25-33.	10.3	44
80	Controllable Ceramic Greenbody Configuration for Complex Ceramic Architectures with Fine Features. <i>Advanced Functional Materials</i> , 2019, 29, 1807082.	14.9	33
81	Metallization of 3D Printed Polymers and Their Application as a Fully Functional Water-Splitting System. <i>Advanced Science</i> , 2019, 6, 1801670.	11.2	55
82	Effects of TiO ₂ doping on microstructure and properties of directed laser deposition alumina/aluminum titanate composites. <i>Virtual and Physical Prototyping</i> , 2019, 14, 371-381.	10.4	23
83	Direct measurement of nanostructural change during in situ deformation of a bulk metallic glass. <i>Nature Communications</i> , 2019, 10, 2445.	12.8	46
84	GO-Functionalized Large Magnetic Iron Oxide Nanoparticles with Enhanced Colloidal Stability and Hyperthermia Performance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22703-22713.	8.0	53
85	3D-Printing of Pure Metal-Organic Framework Monoliths. , 2019, 1, 147-153.		80
86	Heterogeneously tempered martensitic high strength steel by selective laser melting and its micro-lattice: Processing, microstructure, superior performance and mechanisms. <i>Materials and Design</i> , 2019, 178, 107881.	7.0	56
87	Evidence of Spin Frustration in a Vanadium Diselenide Monolayer Magnet. <i>Advanced Materials</i> , 2019, 31, e1901185.	21.0	129
88	ART_data_analyzer: Automating parallelized computations to study the evolution of materials. <i>SoftwareX</i> , 2019, 9, 238-243.	2.6	6
89	3D-Printed Anti-Fouling Cellulose Mesh for Highly Efficient Oil/Water Separation Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13787-13795.	8.0	102
90	Highly effective smoothing of 3D-printed metal structures via overpotential electrochemical polishing. <i>Materials Research Letters</i> , 2019, 7, 282-289.	8.7	42

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91	Room-Temperature Magnets Based on 1,3,5-Triazine-Linked Porous Organic Radical Frameworks. <i>CheM</i> , 2019, 5, 1223-1234.	11.7	67
92	Effect of doping SiC particles on cracks and pores of Al ₂ O ₃ -ZrO ₂ eutectic ceramics fabricated by directed laser deposition. <i>Journal of Materials Science</i> , 2019, 54, 9321-9330.	3.7	21
93	Enhanced ferromagnetism in WS ₂ via defect engineering. <i>Journal of Alloys and Compounds</i> , 2019, 772, 740-744.	5.5	41
94	High-Magnetization Tetragonal Ferrite-Based Films Induced by Carbon and Oxygen Vacancy Pairs. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1049-1056.	8.0	5
95	3D-Printed MOF-Derived Hierarchically Porous Frameworks for Practical High-Energy Density Li-O ₂ Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1806658.	14.9	197
96	[n]Cyclo-para-biphenylmethine Polyradicaloids: [n]Annulene Analogs and Unusual Valence Tautomerization. <i>CheM</i> , 2019, 5, 108-121.	11.7	20
97	Pre-surface leached cordierite honeycombs for Mn _x Co _{3-x} O ₄ nano-sheet array integration with enhanced hydrocarbons combustion. <i>Catalysis Today</i> , 2019, 320, 196-203.	4.4	26
98	Dual-Native Vacancy Activated Basal Plane and Conductivity of MoSe ₂ with High-Efficiency Hydrogen Evolution Reaction. <i>Small</i> , 2018, 14, e1704150.	10.0	114
99	From Open-Shell Singlet Diradicaloid to Closed-Shell Global Antiaromatic Macrocycles. <i>Angewandte Chemie</i> , 2018, 130, 7284-7288.	2.0	13
100	Molecular O ₂ Activation over Cu(I)-Mediated C≡N Bond for Low-Temperature CO Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17167-17174.	8.0	22
101	From Open-Shell Singlet Diradicaloid to Closed-Shell Global Antiaromatic Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7166-7170.	13.8	29
102	Spatial correlation of elastic heterogeneity tunes the deformation behavior of metallic glasses. <i>Npj Computational Materials</i> , 2018, 4, .	8.7	70
103	Mesoporous Perovskite Nanotube-Array Enhanced Metallic-State Platinum Dispersion for Low Temperature Propane Oxidation. <i>ChemCatChem</i> , 2018, 10, 2184-2189.	3.7	14
104	Stable Nitrogen-Centered Bis(imino)rylene Diradicaloids. <i>Chemistry - A European Journal</i> , 2018, 24, 4944-4951.	3.3	17
105	In Situ Grown Epitaxial Heterojunction Exhibits High-Performance Electrocatalytic Water Splitting. <i>Advanced Materials</i> , 2018, 30, e1705516.	21.0	375
106	Boosting catalytic propane oxidation over PGM-free Co ₃ O ₄ nanocrystal aggregates through chemical leaching: A comparative study with Pt and Pd based catalysts. <i>Applied Catalysis B: Environmental</i> , 2018, 226, 585-595.	20.2	113
107	Macrocyclic Polyradicaloids with Unusual Super-ring Structure and Global Aromaticity. <i>CheM</i> , 2018, 4, 1586-1595.	11.7	110
108	TMD-based highly efficient electrocatalysts developed by combined computational and experimental approaches. <i>Chemical Society Reviews</i> , 2018, 47, 4332-4356.	38.1	232

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109	Hollow Mo-doped CoP nanoarrays for efficient overall water splitting. <i>Nano Energy</i> , 2018, 48, 73-80.	16.0	608
110	Robocasting of dense yttria-stabilized zirconia structures. <i>Journal of Materials Science</i> , 2018, 53, 247-273.	3.7	78
111	Activation of the MoSe ₂ basal plane and Se-edge by B doping for enhanced hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 510-515.	10.3	110
112	Diazulenoindacene Diradicaloids: Syntheses, Properties, and Local (anti)Aromaticity Shift from Neutral to Dicationic State. <i>Angewandte Chemie</i> , 2018, 130, 16979-16983.	2.0	24
113	Superoctazethrene: An Open-Shell Graphene-like Molecule Possessing Large Diradical Character but Still with Reasonable Stability. <i>Journal of the American Chemical Society</i> , 2018, 140, 14054-14058.	13.7	65
114	Ceramic Robocasting: Recent Achievements, Potential, and Future Developments. <i>Advanced Materials</i> , 2018, 30, e1802404.	21.0	218
115	Diazulenoindacene Diradicaloids: Syntheses, Properties, and Local (anti)Aromaticity Shift from Neutral to Dicationic State. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16737-16741.	13.8	69
116	Control of magnetic anisotropy by orbital hybridization with charge transfer in (La _{0.67} Sr _{0.33} MnO ₃) _n /(SrTiO ₃) _n superlattice. <i>NPG Asia Materials</i> , 2018, 10, 931-942.	7.9	15
117	Chemical variation induced nanoscale spatial heterogeneity in metallic glasses. <i>Materials Research Letters</i> , 2018, 6, 655-661.	8.7	23
118	Molecular Insights into NO-Promoted Sulfate Formation on Model TiO ₂ Nanoparticles with Different Exposed Facets. <i>Environmental Science & Technology</i> , 2018, 52, 14110-14118.	10.0	19
119	Making glassy solids ductile at room temperature by imparting flexibility into their amorphous structure. <i>Materials Research Letters</i> , 2018, 6, 570-583.	8.7	17
120	Melts of CrCoNi-based high-entropy alloys: Atomic diffusion and electronic/atomic structure from <i>ab initio</i> simulation. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	27
121	Room Temperature Strong Emission and Excitonic Enhancement in Multiple-Stacked Nano-Porous ZnO Thin Film. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800458.	1.8	6
122	Global Aromaticity in Macrocyclic Cyclopenta-fused Tetraphenanthrenylene Tetradicaloid and Its Charged Species. <i>Angewandte Chemie</i> , 2018, 130, 13236-13240.	2.0	17
123	Toward Two-Dimensional Conjugated Covalent Organic Radical Frameworks. <i>Angewandte Chemie</i> , 2018, 130, 8139-8143.	2.0	22
124	Curved π -conjugated corannulene dimer diradicaloids. <i>Chemical Science</i> , 2018, 9, 5100-5105.	7.4	25
125	Re doping induced 2H-1T phase transformation and ferromagnetism in MoS ₂ nanosheets. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	45
126	A Peri-tetracene Diradicaloid: Synthesis and Properties. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9697-9701.	13.8	92

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127	A Periâ€tetracene Diradicaloid: Synthesis and Properties. <i>Angewandte Chemie</i> , 2018, 130, 9845-9849.	2.0	40
128	Binary Controls on Interfacial Magnetism in Manganite Heterostructures. <i>Advanced Functional Materials</i> , 2018, 28, 1801766.	14.9	18
129	Global Aromaticity in Macrocyclic Cyclopentaâ€Fused Tetrphenanthrylene Tetraradicaloid and Its Charged Species. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13052-13056.	13.8	54
130	Model of laser energy absorption adjusted to optical measurements with effective use in finite element simulation of selective laser melting. <i>Materials and Design</i> , 2018, 157, 24-34.	7.0	38
131	Toward Twoâ€Dimensional ĩ€Conjugated Covalent Organic Radical Frameworks. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8007-8011.	13.8	140
132	Hierarchical Design of NiOOH@Amorphous Niâ€P Bilayer on a 3D Mesh Substrate for High-Efficiency Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30273-30282.	8.0	27
133	Stable Expanded Porphyceneâ€Based Diradicaloid and Tetraradicaloid. <i>Angewandte Chemie</i> , 2018, 130, 12714-12717.	2.0	7
134	Oxygen vacancy enhancement promoting strong green emission through surface modification in ZnO thin film. <i>Applied Surface Science</i> , 2018, 462, 466-470.	6.1	40
135	Stable Expanded Porphyceneâ€Based Diradicaloid and Tetraradicaloid. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12534-12537.	13.8	33
136	Ar ²⁺ Beam Irradiation-Induced Multivacancies in MoSe ₂ Nanosheet for Enhanced Electrochemical Hydrogen Evolution. <i>ACS Energy Letters</i> , 2018, 3, 2167-2172.	17.4	73
137	Tunable stacking fault energies by tailoring local chemical order in CrCoNi medium-entropy alloys. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8919-8924.	7.1	495
138	Hydrogen Evolution Catalyzed by a Molybdenum Sulfide Two-Dimensional Structure with Active Basal Planes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22042-22049.	8.0	22
139	Intrinsic or Interface Clustering-Induced Ferromagnetism in Fe-Doped In ₂ O ₃ -Diluted Magnetic Semiconductors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22372-22380.	8.0	23
140	Low-field switchable dynamic anisotropy in FeCoN thin film with weak stripe domain. <i>AIP Advances</i> , 2017, 7, 056003.	1.3	0
141	Radical and Diradical Formation in Naphthalene Diimides through Simple Chemical Oxidation. <i>ChemPhysChem</i> , 2017, 18, 591-595.	2.1	20
142	Rylene Ribbons with Unusual Diradical Character. <i>CheM</i> , 2017, 2, 81-92.	11.7	116
143	Defects engineering induced room temperature ferromagnetism in transition metal doped MoS ₂ . <i>Materials and Design</i> , 2017, 121, 77-84.	7.0	97
144	Extrusion printing of a designed three-dimensional YBa ₂ Cu ₃ O _{7-x} superconductor with milled precursor powder. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3382-3389.	5.5	13

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