

Jun Ding

List of Publications by Year in descending order

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338
papers

18,552
citations

9264

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21908
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable Quadruple Helical Tetraradicaloid with Thermally Induced Intramolecular Magnetic Switching. <i>CCS Chemistry</i> , 2022, 4, 95-103.	7.8	24
2	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
3	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
4	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
5	3D-Printed Hierarchical Ceramic Architectures for Ultrafast Emulsion Treatment and Simultaneous Oil-Water Filtration. , 2022, 4, 740-750.		16
6	Additive manufacturing solidification methodologies for ink formulation. <i>Additive Manufacturing</i> , 2022, 56, 102939.	3.0	13
7	Incorporating Metal Precursors towards a Library of High-resolution Metal Parts by Stereolithography. <i>Applied Materials Today</i> , 2022, 29, 101553.	4.3	3
8	Doping and defect engineering induced extremely high magnetization and large coercivity in Co doped MoTe ₂ . <i>Journal of Alloys and Compounds</i> , 2022, 918, 165750.	5.5	7
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	Printable two-dimensional superconducting monolayers. <i>Nature Materials</i> , 2021, 20, 181-187.	27.5	102
18	Design and Manufacture of 3D-Printed Batteries. <i>Joule</i> , 2021, 5, 89-114.	24.0	137

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19	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
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	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
23	Microlattice Metamaterials with Simultaneous Superior Acoustic and Mechanical Energy Absorption. <i>Small</i> , 2021, 17, e2100336.	10.0	72
24	Ferroelectric Self-Polarization Controlled Magnetic Stratification and Magnetic Coupling in Ultrathin $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ Films. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30137-30145.	8.0	10
25	Conductivity Modulation of 3D-Printed Shellular Electrodes through Embedding Nanocrystalline Intermetallics into Amorphous Matrix for Ultrahigh-Current Oxygen Evolution. <i>Advanced Energy Materials</i> , 2021, 11, 2100968.	19.5	40
26	Interfacial control of domain structure and magnetic anisotropy in $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ manganite heterostructures. <i>Physical Review B</i> , 2021, 104, .	3.2	5
27	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
28	Defects Engineering Induced Ultrahigh Magnetization in Rare Earth Element Nd-doped MoS_2 . <i>Advanced Quantum Technologies</i> , 2021, 4, 2000093.	3.9	19
29	Re-entrance to a ferromagnetic insulator with oxygen-vacancy ordering in the $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{SrTiO}_3$ superlattice. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26717-26726.	10.3	2
30	2,6-/1,5-Naphthoquinodimethane bridged porphyrin dimer diradicaloids. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 220-229.	0.8	10
31	3D-Printed Grids with Polymeric Photocatalytic System as Flexible Air Filter. <i>Applied Catalysis B: Environmental</i> , 2020, 262, 118307.	20.2	28
32	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
33	High Coercivity and Magnetization in WSe_2 by Codoping Co and Nb. <i>Small</i> , 2020, 16, e1903173.	10.0	43
34	Formation of a four-bladed waterwheel-type chloro-bridged dicopper(μ_2) complex with dithiamacrocyclic double exo-coordination. <i>Dalton Transactions</i> , 2020, 49, 1365-1369.	3.3	3
35	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
36	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

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37	Enhanced Magnetic Anisotropy and Orbital Symmetry Breaking in Manganite Heterostructures. <i>Advanced Functional Materials</i> , 2020, 30, 1909536.	14.9	17
38	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
39	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
40	Low-cost valence-rich copper-iron-sulfur-oxygen porous nanocluster that drives an exceptional energy-saving carbohydrazide oxidization reaction in alkali and near-neutral electrolytes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24419-24427.	10.3	4
41	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
42	A Stable Nitrogen-centered Bis(imino)perylene Dimer-based Diradicaloid. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 1798-1801.	2.7	2
43	Tuning Irreversible Magnetoresistance in Pr _{0.67} Sr _{0.33} MnO ₃ Film via Octahedral Rotation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43222-43230.	8.0	4
44	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
45	Imprinting Ferromagnetism and Superconductivity in Single Atomic Layers of Molecular Superlattices. <i>Advanced Materials</i> , 2020, 32, e1907645.	21.0	25
46	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
47	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
48	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
49	Domain Engineering in ReS ₂ by Coupling Strain during Electrochemical Exfoliation. <i>Advanced Functional Materials</i> , 2020, 30, 2003057.	14.9	22
50	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
51	S-shaped 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
52	Magnetoelectric Coupling Induced Orbital Reconstruction and Ferromagnetic Insulating State in PbZr _{0.52} Ti _{0.48} O ₃ /La _{0.67} Sr _{0.33} MnO ₃ Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35588-35597.	10.3	10
53	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
54	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

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55	3D global aromaticity in a fully conjugated diradicaloid cage at different oxidation states. <i>Nature Chemistry</i> , 2020, 12, 242-248.	13.6	101
56	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
57	3D-printed surface-patterned ceramic membrane with enhanced performance in crossflow filtration. <i>Journal of Membrane Science</i> , 2020, 606, 118138.	8.2	53
58	Realization of "single-atom ferromagnetism" in graphene by Cu-N ₄ moieties anchoring. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	9
59	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
60	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
61	Structure-Enhanced Mechanically Robust Graphite Foam with Ultrahigh MnO ₂ Loading for Supercapacitors. <i>Research</i> , 2020, 2020, 7304767.	5.7	24
62	Chemically Exfoliated VSe ₂ Monolayers with Room-Temperature Ferromagnetism. <i>Advanced Materials</i> , 2019, 31, e1903779.	21.0	251
63	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
64	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
65	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
66	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
67	Clustering-induced high magnetization in Co-doped TiO ₂ . <i>Emergent Materials</i> , 2019, 2, 295-301.	5.7	25
68	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
69	Tuning the polarization rotation behavior in undoped zinc oxide thin films. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151900.	5.5	1
70	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
71	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
72	Constructing hierarchical carbon framework and quantifying water transfer for novel solar evaporation configuration. <i>Carbon</i> , 2019, 155, 25-33.	10.3	44

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73	Controllable Ceramic Greenâ€Body Configuration for Complex Ceramic Architectures with Fine Features. <i>Advanced Functional Materials</i> , 2019, 29, 1807082.	14.9	33
74	Metallization of 3D Printed Polymers and Their Application as a Fully Functional Waterâ€Splitting System. <i>Advanced Science</i> , 2019, 6, 1801670.	11.2	55
75	3D-printed ceramic structures with in situ grown whiskers for effective oil/water separation. <i>Chemical Engineering Journal</i> , 2019, 373, 1223-1232.	12.7	52
76	Room temperature thiosulfate ion redox reaction-driven synthesis of a robust porous copperâ€cobaltâ€sulfurâ€oxygen nanowire coating on copper foam for highly-efficient and low-cost oxygen evolution reaction. <i>Chemical Communications</i> , 2019, 55, 8587-8590.	4.1	0
77	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
78	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
79	Robust and superwetting island-shaped phytate bimetallic oxyhydroxide porous nanoclusters <i>via</i> a mild self-assemblyâ€etchingâ€catchingâ€electrochemical oxidization strategy for an enhanced oxygen evolution reaction. <i>Chemical Communications</i> , 2019, 55, 4503-4506.	4.1	4
80	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
81	Room-Temperature Magnets Based on 1,3,5-Triazine-Linked Porous Organic Radical Frameworks. <i>CheM</i> , 2019, 5, 1223-1234.	11.7	67
82	Effect of doping SiC particles on cracks and pores of Al ₂ O ₃ â€ZrO ₂ eutectic ceramics fabricated by directed laser deposition. <i>Journal of Materials Science</i> , 2019, 54, 9321-9330.	3.7	21
83	A facile oxidationâ€dehydration reaction-driven robust porous copper oxide nanobelt coating on copper foam for an energy-saving and low-cost urea oxidization reaction. <i>Chemical Communications</i> , 2019, 55, 13562-13565.	4.1	19
84	Enhanced ferromagnetism in WS ₂ via defect engineering. <i>Journal of Alloys and Compounds</i> , 2019, 772, 740-744.	5.5	41
85	Effects of dielectric fluids on surface integrity for the recast layer in high speed EDM drilling of nickel alloy. <i>Journal of Alloys and Compounds</i> , 2019, 783, 95-102.	5.5	65
86	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
87	3Dâ€Printed MOFâ€Derived Hierarchically Porous Frameworks for Practical Highâ€Energy Density Liâ€O₂ Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1806658.	14.9	197
88	[n]Cyclo-para-biphenylmethine Polyradicaloids: [n]Annulene Analogs and Unusual Valence Tautomerization. <i>CheM</i> , 2019, 5, 108-121.	11.7	20
89	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
90	Dualâ€Native Vacancy Activated Basal Plane and Conductivity of MoSe₂ with Highâ€Efficiency Hydrogen Evolution Reaction. <i>Small</i> , 2018, 14, e1704150.	10.0	114

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91	Annealing effect on the ferromagnetism of MoS ₂ nanoparticles. Journal of Alloys and Compounds, 2018, 746, 399-404.	5.5	27
92	From Open-Shell Singlet Diradicaloid to Closed-Shell Global Antiaromatic Macrocycles. Angewandte Chemie, 2018, 130, 7284-7288.	2.0	13
93	Molecular O ₂ Activation over Cu(I)-Mediated C≡N Bond for Low-Temperature CO Oxidation. ACS Applied Materials & Interfaces, 2018, 10, 17167-17174.	8.0	22
94	From Open-Shell Singlet Diradicaloid to Closed-Shell Global Antiaromatic Macrocycles. Angewandte Chemie - International Edition, 2018, 57, 7166-7170.	13.8	29
95	Magnetic resonance imaging quantification and biodistribution of magnetic nanoparticles using T ₁ -enhanced contrast. Journal of Materials Chemistry B, 2018, 6, 1470-1478.	5.8	6
96	Mesoporous Perovskite Nanotube-Array Enhanced Metallic-State Platinum Dispersion for Low Temperature Propane Oxidation. ChemCatChem, 2018, 10, 2184-2189.	3.7	14
97	Stable Nitrogen-Centered Bis(imino)rylene Diradicaloids. Chemistry - A European Journal, 2018, 24, 4944-4951.	3.3	17
98	In Situ Grown Epitaxial Heterojunction Exhibits High-Performance Electrocatalytic Water Splitting. Advanced Materials, 2018, 30, e1705516.	21.0	375
99	β-MnS films with 3D microarchitectures: comprehensive study of the synthesis, microstructural, optical and magnetic properties. CrystEngComm, 2018, 20, 578-589.	2.6	12
100	Examining the effect of ions and proteins on the heat dissipation of iron oxide nanocrystals. RSC Advances, 2018, 8, 1443-1450.	3.6	4
101	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. Applied Catalysis B: Environmental, 2018, 226, 585-595.	20.2	113
102	Macrocyclic Polyradicaloids with Unusual Super-ring Structure and Global Aromaticity. Chem, 2018, 4, 1586-1595.	11.7	110
103	TMD-based highly efficient electrocatalysts developed by combined computational and experimental approaches. Chemical Society Reviews, 2018, 47, 4332-4356.	38.1	232
104	Hollow Mo-doped CoP nanoarrays for efficient overall water splitting. Nano Energy, 2018, 48, 73-80.	16.0	608
105	Robocasting of dense yttria-stabilized zirconia structures. Journal of Materials Science, 2018, 53, 247-273.	3.7	78
106	Magnetic properties of Co doped WSe ₂ by implantation. Journal of Alloys and Compounds, 2018, 731, 25-31.	5.5	40
107	Activation of the MoSe ₂ basal plane and Se-edge by B doping for enhanced hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 510-515.	10.3	110
108	Diazulenoindacene Diradicaloids: Syntheses, Properties, and Local (anti)Aromaticity Shift from Neutral to Dicationic State. Angewandte Chemie, 2018, 130, 16979-16983.	2.0	24

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109	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
110	Ceramic Robocasting: Recent Achievements, Potential, and Future Developments. <i>Advanced Materials</i> , 2018, 30, e1802404.	21.0	218
111	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
112	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
113	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
114	Global Aromaticity in Macrocyclic Cyclopenta Fused Tetrphenanthrylene Tetradicaloid and Its Charged Species. <i>Angewandte Chemie</i> , 2018, 130, 13236-13240.	2.0	17
115	Toward Two Dimensional Conjugated Covalent Organic Radical Frameworks. <i>Angewandte Chemie</i> , 2018, 130, 8139-8143.	2.0	22
116	Curved Conjugated corannulene dimer diradicaloids. <i>Chemical Science</i> , 2018, 9, 5100-5105.	7.4	25
117	Re doping induced 2H-1T phase transformation and ferromagnetism in MoS ₂ nanosheets. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	45
118	A Peritetracene Diradicaloid: Synthesis and Properties. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9697-9701.	13.8	92
119	A Peritetracene Diradicaloid: Synthesis and Properties. <i>Angewandte Chemie</i> , 2018, 130, 9845-9849.	2.0	40
120	Binary Controls on Interfacial Magnetism in Manganite Heterostructures. <i>Advanced Functional Materials</i> , 2018, 28, 1801766.	14.9	18
121	Global Aromaticity in Macrocyclic Cyclopenta Fused Tetrphenanthrylene Tetradicaloid and Its Charged Species. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13052-13056.	13.8	54
122	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
123	Toward Two Dimensional Conjugated Covalent Organic Radical Frameworks. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8007-8011.	13.8	140
124	Hierarchical Design of NiOOH@Amorphous Ni-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
125	Stable Expanded Porphycene Based Diradicaloid and Tetradicaloid. <i>Angewandte Chemie</i> , 2018, 130, 12714-12717.	2.0	7
126	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

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127	Stable Expanded Porphycene-Based Diradicaloid and Tetraradicaloid. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12534-12537.	13.8	33
128	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
129	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
130	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
131	Pd-Ce nanoparticles supported on functional Fe-MIL-101-NH ₂ : An efficient catalyst for selective glycerol oxidation. <i>Catalysis Today</i> , 2017, 279, 77-83.	4.4	38
132	Radical and Diradical Formation in Naphthalene Diimides through Simple Chemical Oxidation. <i>ChemPhysChem</i> , 2017, 18, 591-595.	2.1	20
133	Rylene Ribbons with Unusual Diradical Character. <i>CheM</i> , 2017, 2, 81-92.	11.7	116
134	Defects engineering induced room temperature ferromagnetism in transition metal doped MoS ₂ . <i>Materials and Design</i> , 2017, 121, 77-84.	7.0	97
135	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
136	Enhanced oxygen evolution reaction by Co-O-C bonds in rationally designed Co ₃ O ₄ /graphene nanocomposites. <i>Nano Energy</i> , 2017, 33, 445-452.	16.0	131
137	Toward Stable Superbenzoquinone Diradicaloids. <i>Angewandte Chemie</i> , 2017, 129, 5094-5098.	2.0	18
138	Activating and Optimizing Activity of CoS ₂ for Hydrogen Evolution Reaction through the Synergic Effect of N Dopants and S Vacancies. <i>ACS Energy Letters</i> , 2017, 2, 1022-1028.	17.4	229
139	A Stable <i>N</i> -Annulated Perylene-Bridged Bisphenoxyl Diradicaloid and the Corresponding Boron Trifluoride Complex. <i>Chemistry - A European Journal</i> , 2017, 23, 9419-9424.	3.3	13
140	Solution-Processed Highly Superparamagnetic and Conductive PEDOT:PSS/Fe ₃ O ₄ Nanocomposite Films with High Transparency and High Mechanical Flexibility. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 19001-19010.	8.0	55
141	Cyclopenta Ring Fused Bisanthene and Its Charged Species with Open-Shell Singlet Diradical Character and Global Aromaticity/Antiaromaticity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11415-11419.	13.8	61
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