Jun Ding

List of Publications by Year in Descending Order

359 papers	15,281 citations	69 h-index	106 g-index
371 ext. papers	18,301 ext. citations	8.9 avg, IF	6.94 L-index

#	Paper	IF	Citations
359	3D-Printed Hierarchical Ceramic Architectures for Ultrafast Emulsion Treatment and Simultaneous Oil–Water Filtration **2022**, 4, 740-750		2
358	Tuning the near room temperature oxidation behavior of high-entropy alloy nanoparticles. *Nano Research*, **2022**, 15, 3569-3574	10	0
357	Anomalous size effect on yield strength enabled by compositional heterogeneity in high-entropy alloy nanoparticles.. *Nature Communications*, **2022**, 13, 2789	17.4	0
356	Additive Manufacturing Solidification Methodologies for Ink Formulation. *Additive Manufacturing*, **2022**, 102939	6.1	1
355	High Temperature Co-firing of 3D-Printed Al-ZnO/Al2O3 Multi-Material Two-Phase Flow Sensor. *Journal of Materiomics*, **2021**,	6.7	2
354	Chemical short-range order in body-centered-cubic TiZrHfNb high-entropy alloys. *Applied Physics Letters*, **2021**, 119, 201908	3.4	1
353	Tuning the Spin Density of Cobalt Single-Atom Catalysts for Efficient Oxygen Evolution. *ACS Nano*, **2021**, 15, 7105-7113	16.7	21
352	Fabrication of 3D-Printed Ceramic Structures for Portable Solar Desalination Devices. *ACS Applied Materials & Interfaces*, **2021**, 13, 23220-23229	9.5	12
351	Tension-compression asymmetry in amorphous silicon. *Nature Materials*, **2021**, 20, 1371-1377	27	12
350	Influence of the Aspect Ratio of Iron Oxide Nanorods on Hysteresis-Loss-Mediated Magnetic Hyperthermia.. *ACS Applied Bio Materials*, **2021**, 4, 4809-4820	4.1	4
349	Microlattice Metamaterials with Simultaneous Superior Acoustic and Mechanical Energy Absorption. *Small*, **2021**, 17, e2100336	11	17
348	Local chemical fluctuation mediated ductility in body-centered-cubic high-entropy alloys. *Materials Today*, **2021**, 46, 28-34	21.8	20
347	Conductivity Modulation of 3D-Printed Shellular Electrodes through Embedding Nanocrystalline Intermetallics into Amorphous Matrix for Ultrahigh-Current Oxygen Evolution. *Advanced Energy Materials*, **2021**, 11, 2100968	21.8	2
346	A Stable [4,3]Peri-acene Diradicaloid: Synthesis, Structure, and Electronic Properties. *Angewandte Chemie - International Edition*, **2021**, 60, 4464-4469	16.4	10
345	Additively manufactured heterogeneously porous metallic bone with biostructural functions and bone-like mechanical properties. *Journal of Materials Science and Technology*, **2021**, 62, 173-179	9.1	22
344	Bioinspired Fractal Design of Waste Biomass-Derived Solar–Thermal Materials for Highly Efficient Solar Evaporation. *Advanced Functional Materials*, **2021**, 31, 2007648	15.6	36
343	Robust, 3D-printed hydratable plastics for effective solar desalination. *Nano Energy*, **2021**, 79, 105436	17.1	18

342	3D printing-assisted gyroidal graphite foam for advanced supercapacitors. *Chemical Engineering Journal*, **2021**, 416, 127885	14.7	14
341	A Stable [4,3]Peri-acene Diradicaloid: Synthesis, Structure, and Electronic Properties. *Angewandte Chemie*, **2021**, 133, 4514-4519	3.6	2
340	Design and Manufacture of 3D-Printed Batteries. *Joule*, **2021**, 5, 89-114	27.8	30
339	Two-Dimensional Conjugated Covalent Organic Framework Films via Oxidative C□C Coupling Reactions at a Liquid□liquid Interface. *Organic Materials*, **2021**, 03, 060-066	1.9	1
338	Universal nature of the saddle states of structural excitations in metallic glasses. *Materials Today Physics*, **2021**, 17, 100359	8	6
337	Atomistic simulations of dislocation mobility in refractory high-entropy alloys and the effect of chemical short-range order. *Nature Communications*, **2021**, 12, 4873	17.4	21
336	Interfacial control of domain structure and magnetic anisotropy in La0.67Sr0.33MnO3 manganite heterostructures. *Physical Review B*, **2021**, 104,	3.3	3
335	Additive manufacturing of high-entropy alloys by thermophysical calculations and in situ alloying. *Journal of Materials Science and Technology*, **2021**, 94, 53-66	9.1	14
334	Solar Evaporation: Bioinspired Fractal Design of Waste Biomass-Derived Solar□thermal Materials for Highly Efficient Solar Evaporation (Adv. Funct. Mater. 3/2021). *Advanced Functional Materials*, **2021**, 31, 2170020	15.6	3
333	Defects Engineering Induced Ultrahigh Magnetization in Rare Earth Element Nd-doped MoS2. *Advanced Quantum Technologies*, **2021**, 4, 2000093	4.3	5
332	Colossal Magnetization and Giant Coercivity in Ion-Implanted (Nb and Co) MoS Crystals. *ACS Applied Materials & Interfaces*, **2020**, 12, 58140-58148	9.5	8
331	Imprinting Ferromagnetism and Superconductivity in Single Atomic Layers of Molecular Superlattices. *Advanced Materials*, **2020**, 32, e1907645	24	11
330	Short-range order and its impact on the CrCoNi medium-entropy alloy. *Nature*, **2020**, 581, 283-287	50.4	254
329	Super-hygroscopic film for wearables with dual functions of expediting sweat evaporation and energy harvesting. *Nano Energy*, **2020**, 75, 104873	17.1	20
328	Ultrafast Exfoliation of 2D Materials by Solvent Activation and One-Step Fabrication of All-2D-Material Photodetectors by Electrohydrodynamic Printing. *ACS Applied Materials & Interfaces*, **2020**, 12, 28840-28851	9.5	24
327	Multimaterial 3D-printing of graphene/Li0.35Zn0.3Fe2.35O4 and graphene/carbonyl iron composites with superior microwave absorption properties and adjustable bandwidth. *Carbon*, **2020**, 167, 62-74	10.4	44
326	Domain Engineering in ReS2 by Coupling Strain during Electrochemical Exfoliation. *Advanced Functional Materials*, **2020**, 30, 2003057	15.6	8
325	Machine learning bridges local static structure with multiple properties in metallic glasses. *Materials Today*, **2020**, 40, 48-62	21.8	19

324	Critical Control of Highly Stable Nonstoichiometric Mn-Zn Ferrites with Outstanding Magnetic and Electromagnetic Performance for Gigahertz High-Frequency Applications. *ACS Applied Materials & Interfaces*, **2020**, 12, 16609-16619	9.5	8
323	S-shaped para-Quinodimethane-Embedded Double [6]Helicene and Its Charged Species Showing Open-Shell Diradical Character. *Chemistry - A European Journal*, **2020**, 26, 15613-15622	4.8	6
322	Integrated wearable sensors with bending/stretching selectivity and extremely enhanced sensitivity derived from agarose-based ionic conductor and its 3D-shaping. *Chemical Engineering Journal*, **2020**, 389, 124503	14.7	9
321	Electrode-controlled confinement of conductive filaments in a nanocolumn embedded symmetric–asymmetric RRAM structure. *Journal of Materials Chemistry C*, **2020**, 8, 1577-1582	7.1	8
320	3D global aromaticity in a fully conjugated diradicaloid cage at different oxidation states. *Nature Chemistry*, **2020**, 12, 242-248	17.6	59
319	Elucidating the Nature of the Cu(I) Active Site in CuO/TiO for Excellent Low-Temperature CO Oxidation. *ACS Applied Materials & Interfaces*, **2020**, 12, 7091-7101	9.5	20
318	3D-printed surface-patterned ceramic membrane with enhanced performance in crossflow filtration. *Journal of Membrane Science*, **2020**, 606, 118138	9.6	26
317	Realization of single-atom ferromagnetism in graphene by CuN4 moieties anchoring. *Applied Physics Letters*, **2020**, 116, 113102	3.4	4
316	Robust pure copper framework by extrusion 3D printing for advanced lithium metal anodes. *Journal of Materials Chemistry A*, **2020**, 8, 9058-9067	13	21
315	Structure-Enhanced Mechanically Robust Graphite Foam with Ultrahigh MnO Loading for Supercapacitors. *Research*, **2020**, 2020, 7304767	7.8	8
314	Metallic microlattice and epoxy interpenetrating phase composites: Experimental and simulation studies on superior mechanical properties and their mechanisms. *Composites Part A: Applied Science and Manufacturing*, **2020**, 135, 105934	8.4	12
313	Predicting the propensity for thermally activated events in metallic glasses via interpretable machine learning. *Npj Computational Materials*, **2020**, 6,	10.9	13
312	Formation of a four-bladed waterwheel-type chloro-bridged dicopper(ii) complex with dithiamacrocycle via double exo-coordination. *Dalton Transactions*, **2020**, 49, 1365-1369	4.3	1
311	A 3D-printing method of fabrication for metals, ceramics, and multi-materials using a universal self-curable technique for robocasting. *Materials Horizons*, **2020**, 7, 1083-1090	14.4	30
310	Three Dimensionally Free-Formable Graphene Foam with Designed Structures for Energy and Environmental Applications. *ACS Nano*, **2020**, 14, 937-947	16.7	50
309	Enhanced Magnetic Anisotropy and Orbital Symmetry Breaking in Manganite Heterostructures. *Advanced Functional Materials*, **2020**, 30, 1909536	15.6	10
308	Controllable and Stable Quantized Conductance States in a Pt/HfOx/ITO Memristor. *Advanced Electronic Materials*, **2020**, 6, 1901055	6.4	18
307	Solar-driven efficient methane catalytic oxidation over epitaxial ZnO/La0.8Sr0.2CoO3 heterojunctions. *Applied Catalysis B: Environmental*, **2020**, 265, 118469	21.8	19

306	Electron beam melted heterogeneously porous microlattices for metallic bone applications: Design and investigations of boundary and edge effects. *Additive Manufacturing*, **2020**, 36, 101566	6.1	10
305	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. *Journal of Materials Chemistry A*, **2020**, 8, 24419-24427	13	1
304	Programmable, UV-Printable Dielectric Elastomers Actuate at Low Voltage without Prestretch and Supporting Frames. *ACS Applied Electronic Materials*, **2020**, 2, 4042-4053	4	3
303	Ab initio modeling of the energy landscape for screw dislocations in body-centered cubic high-entropy alloys. *Npj Computational Materials*, **2020**, 6,	10.9	30
302	A Stable Nitrogen-centered Bis(imino)perylene Dimer-based Diradicaloid. *Asian Journal of Organic Chemistry*, **2020**, 9, 1798-1801	3	0
301	2,6-/1,5-Naphthoquinodimethane bridged porphyrin dimer diradicaloids. *Journal of Porphyrins and Phthalocyanines*, **2020**, 24, 220-229	1.8	6
300	3D-Printed Grids with Polymeric Photocatalytic System as Flexible Air Filter. *Applied Catalysis B: Environmental*, **2020**, 262, 118307	21.8	16
299	3D-printed electrodes for lithium metal batteries with high areal capacity and high-rate capability. *Energy Storage Materials*, **2020**, 24, 336-342	19.4	55
298	High Coercivity and Magnetization in WSe by Codoping Co and Nb. *Small*, **2020**, 16, e1903173	11	21
297	Asymmetric Structure Based Flexible Strain Sensor for Simultaneous Detection of Various Human Joint Motions. *ACS Applied Electronic Materials*, **2019**, 1, 1866-1872	4	22
296	Oxygen Vacancy Promoted O2 Activation over Perovskite Oxide for Low-Temperature CO Oxidation. *ACS Catalysis*, **2019**, 9, 9751-9763	13.1	116
295	Constructing hierarchical carbon framework and quantifying water transfer for novel solar evaporation configuration. *Carbon*, **2019**, 155, 25-33	10.4	28
294	Controllable Ceramic Green-Body Configuration for Complex Ceramic Architectures with Fine Features. *Advanced Functional Materials*, **2019**, 29, 1807082	15.6	20
293	Metallization of 3D Printed Polymers and Their Application as a Fully Functional Water-Splitting System. *Advanced Science*, **2019**, 6, 1801670	13.6	32
292	Effects of TiO2 doping on microstructure and properties of directed laser deposition alumina/aluminum titanate composites. *Virtual and Physical Prototyping*, **2019**, 14, 371-381	10.1	14
291	Direct measurement of nanostructural change during in situ deformation of a bulk metallic glass. *Nature Communications*, **2019**, 10, 2445	17.4	30
290	GO-Functionalized Large Magnetic Iron Oxide Nanoparticles with Enhanced Colloidal Stability and Hyperthermia Performance. *ACS Applied Materials & Interfaces*, **2019**, 11, 22703-22713	9.5	37
289	3D-Printing of Pure Metal□Organic Framework Monoliths **2019**, 1, 147-153		44

288	Heterogeneously tempered martensitic high strength steel by selective laser melting and its micro-lattice: Processing, microstructure, superior performance and mechanisms. *Materials and Design*, **2019**, 178, 107881	8.1	33
287	Evidence of Spin Frustration in a Vanadium Diselenide Monolayer Magnet. *Advanced Materials*, **2019**, 31, e1901185	24	85
286	ART_data_analyzer: Automating parallelized computations to study the evolution of materials. *SoftwareX*, **2019**, 9, 238-243	2.7	5
285	3D-Printed Anti-Fouling Cellulose Mesh for Highly Efficient Oil/Water Separation Applications. *ACS Applied Materials & Interfaces*, **2019**, 11, 13787-13795	9.5	67
284	Highly effective smoothening of 3D-printed metal structures via overpotential electrochemical polishing. *Materials Research Letters*, **2019**, 7, 282-289	7.4	15
283	Room-Temperature Magnets Based on 1,3,5-Triazine-Linked Porous Organic Radical Frameworks. *CheM*, **2019**, 5, 1223-1234	16.2	41
282	Effect of doping SiC particles on cracks and pores of Al2O3□rO2 eutectic ceramics fabricated by directed laser deposition. *Journal of Materials Science*, **2019**, 54, 9321-9330	4.3	10
281	Chemically Exfoliated VSe Monolayers with Room-Temperature Ferromagnetism. *Advanced Materials*, **2019**, 31, e1903779	24	131
280	High loading accessible active sites via designable 3D-printed metal architecture towards promoting electrocatalytic performance. *Journal of Materials Chemistry A*, **2019**, 7, 18338-18347	13	15
279	NiFe (sulfur)oxyhydroxide porous nanoclusters/Ni foam composite electrode drives a large-current-density oxygen evolution reaction with an ultra-low overpotential. *Journal of Materials Chemistry A*, **2019**, 7, 18816-18822	13	17
278	Digital light processing 3D printing of graphene/carbonyl iron/polymethyl methacrylate nanocomposites for efficient microwave absorption. *Composites Part B: Engineering*, **2019**, 179, 107533	10	39
277	Correlation of resistance switching and polarization rotation in copper doped zinc oxide (ZnO:Cu) thin films studied by Scanning Probe Microscopy. *Journal of Materiomics*, **2019**, 5, 574-582	6.7	2
276	Clustering-induced high magnetization in Co-doped TiO2. *Emergent Materials*, **2019**, 2, 295-301	3.5	18
275	Confinement-Induced Giant Spin-Orbit-Coupled Magnetic Moment of Co Nanoclusters in TiO Films. *ACS Applied Materials & Interfaces*, **2019**, 11, 43781-43788	9.5	3
274	Tuning the polarization rotation behavior in undoped zinc oxide thin films. *Journal of Alloys and Compounds*, **2019**, 810, 151900	5.7	0
273	Enhanced ferromagnetism in WS2 via defect engineering. *Journal of Alloys and Compounds*, **2019**, 772, 740-744	5.7	20
272	High-Magnetization Tetragonal Ferrite-Based Films Induced by Carbon and Oxygen Vacancy Pairs. *ACS Applied Materials & Interfaces*, **2019**, 11, 1049-1056	9.5	4
271	3D-Printed MOF-Derived Hierarchically Porous Frameworks for Practical High-Energy Density Li□2 Batteries. *Advanced Functional Materials*, **2019**, 29, 1806658	15.6	138

270	[n]Cyclo-para-biphenylmethine Polyradicaloids: [n]Annulene Analogs and Unusual Valence Tautomerization. *CheM*, **2019**, 5, 108-121	16.2	13
269	Pre-surface leached cordierite honeycombs for MnxCo3-xO4 nano-sheet array integration with enhanced hydrocarbons combustion. *Catalysis Today*, **2019**, 320, 196-203	5.3	10
268	Dual-Native Vacancy Activated Basal Plane and Conductivity of MoSe with High-Efficiency Hydrogen Evolution Reaction. *Small*, **2018**, 14, e1704150	11	78
267	From Open-Shell Singlet Diradicaloid to Closed-Shell Global Antiaromatic Macrocycles. *Angewandte Chemie*, **2018**, 130, 7284-7288	3.6	13
266	Molecular O Activation over Cu(I)-Mediated C?N Bond for Low-Temperature CO Oxidation. *ACS Applied Materials & Interfaces*, **2018**, 10, 17167-17174	9.5	16
265	From Open-Shell Singlet Diradicaloid to Closed-Shell Global Antiaromatic Macrocycles. *Angewandte Chemie - International Edition*, **2018**, 57, 7166-7170	16.4	26
264	Spatial correlation of elastic heterogeneity tunes the deformation behavior of metallic glasses. *Npj Computational Materials*, **2018**, 4,	10.9	46
263	Mesoporous Perovskite Nanotube-Array Enhanced Metallic-State Platinum Dispersion for Low Temperature Propane Oxidation. *ChemCatChem*, **2018**, 10, 2184-2189	5.2	10
262	Stable Nitrogen-Centered Bis(imino)rylene Diradicaloids. *Chemistry - A European Journal*, **2018**, 24, 4944-4951	4.8	11
261	In Situ Grown Epitaxial Heterojunction Exhibits High-Performance Electrocatalytic Water Splitting. *Advanced Materials*, **2018**, 30, e1705516	24	273
260	Boosting catalytic propane oxidation over PGM-free Co3O4 nanocrystal aggregates through chemical leaching: A comparative study with Pt and Pd based catalysts. *Applied Catalysis B: Environmental*, **2018**, 226, 585-595	21.8	74
259	Macrocyclic Polyradicaloids with Unusual Super-ring Structure and Global Aromaticity. *CheM*, **2018**, 4, 1586-1595	16.2	79
258	TMD-based highly efficient electrocatalysts developed by combined computational and experimental approaches. *Chemical Society Reviews*, **2018**, 47, 4332-4356	58.5	154
257	Hollow Mo-doped CoP nanoarrays for efficient overall water splitting. *Nano Energy*, **2018**, 48, 73-80	17.1	418
256	Robocasting of dense yttria-stabilized zirconia structures. *Journal of Materials Science*, **2018**, 53, 247-273	4.3	48
255	Global Aromaticity in Macrocyclic Cyclopenta-Fused Tetraphenanthrenylene Tetraradicaloid and Its Charged Species. *Angewandte Chemie - International Edition*, **2018**, 57, 13052-13056	16.4	35
254	Model of laser energy absorption adjusted to optical measurements with effective use in finite element simulation of selective laser melting. *Materials and Design*, **2018**, 157, 24-34	8.1	27
253	Toward Two-Dimensional Conjugated Covalent Organic Radical Frameworks. *Angewandte Chemie - International Edition*, **2018**, 57, 8007-8011	16.4	94

252	Hierarchical Design of NiOOH@Amorphous Ni-P Bilayer on a 3D Mesh Substrate for High-Efficiency Oxygen Evolution Reaction. *ACS Applied Materials & Interfaces*, **2018**, 10, 30273-30282	9.5	16
251	Stable Expanded Porphycene-Based Diradicaloid and Tetraradicaloid. *Angewandte Chemie*, **2018**, 130, 12714-12717	3.6	3
250	Oxygen vacancy enhancement promoting strong green emission through surface modification in ZnO thin film. *Applied Surface Science*, **2018**, 462, 466-470	6.7	25
249	Stable Expanded Porphycene-Based Diradicaloid and Tetraradicaloid. *Angewandte Chemie - International Edition*, **2018**, 57, 12534-12537	16.4	19
248	Ar2+ Beam Irradiation-Induced Multivancancies in MoSe2 Nanosheet for Enhanced Electrochemical Hydrogen Evolution. *ACS Energy Letters*, **2018**, 3, 2167-2172	20.1	49
247	Tunable stacking fault energies by tailoring local chemical order in CrCoNi medium-entropy alloys. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 8919-8924	11.5	251
246	Hydrogen Evolution Catalyzed by a Molybdenum Sulfide Two-Dimensional Structure with Active Basal Planes. *ACS Applied Materials & Interfaces*, **2018**, 10, 22042-22049	9.5	15
245	Intrinsic or Interface Clustering-Induced Ferromagnetism in Fe-Doped InO-Diluted Magnetic Semiconductors. *ACS Applied Materials & Interfaces*, **2018**, 10, 22372-22380	9.5	19
244	Activation of the MoSe2 basal plane and Se-edge by B doping for enhanced hydrogen evolution. *Journal of Materials Chemistry A*, **2018**, 6, 510-515	13	79
243	Diazuleno-s-indacene Diradicaloids: Syntheses, Properties, and Local (anti)Aromaticity Shift from Neutral to Dicationic State. *Angewandte Chemie*, **2018**, 130, 16979-16983	3.6	19
242	Superoctazethrene: An Open-Shell Graphene-like Molecule Possessing Large Diradical Character but Still with Reasonable Stability. *Journal of the American Chemical Society*, **2018**, 140, 14054-14058	16.4	48
241	Ceramic Robocasting: Recent Achievements, Potential, and Future Developments. *Advanced Materials*, **2018**, 30, e1802404	24	101
240	Diazuleno-s-indacene Diradicaloids: Syntheses, Properties, and Local (anti)Aromaticity Shift from Neutral to Dicationic State. *Angewandte Chemie - International Edition*, **2018**, 57, 16737-16741	16.4	38
239	Control of magnetic anisotropy by orbital hybridization with charge transfer in (La0.67Sr0.33MnO3)n/(SrTiO3)n superlattice. *NPG Asia Materials*, **2018**, 10, 931-942	10.3	7
238	Chemical variation induced nanoscale spatial heterogeneity in metallic glasses. *Materials Research Letters*, **2018**, 6, 655-661	7.4	13
237	Molecular Insights into NO-Promoted Sulfate Formation on Model TiO Nanoparticles with Different Exposed Facets. *Environmental Science & Technology*, **2018**, 52, 14110-14118	10.3	12
236	Making glassy solids ductile at room temperature by imparting flexibility into their amorphous structure. *Materials Research Letters*, **2018**, 6, 570-583	7.4	11
235	Melts of CrCoNi-based high-entropy alloys: Atomic diffusion and electronic/atomic structure from ab initio simulation. *Applied Physics Letters*, **2018**, 113, 111902	3.4	17

234	Room Temperature Strong Emission and Excitonic Enhancement in Multiple-Stacked Nano-Porous ZnO Thin Film. *Physica Status Solidi (A) Applications and Materials Science*, **2018**, 215, 1800458	1.6	3
233	Global Aromaticity in Macrocyclic Cyclopenta-Fused Tetraphenanthrenylene Tetraradicaloid and Its Charged Species. *Angewandte Chemie*, **2018**, 130, 13236-13240	3.6	13
232	Toward Two-Dimensional -Conjugated Covalent Organic Radical Frameworks. *Angewandte Chemie* , **2018**, 130, 8139-8143	3.6	20
231	Curved -conjugated corannulene dimer diradicaloids. *Chemical Science*, **2018**, 9, 5100-5105	9.4	17
230	Re doping induced 2H-1T phase transformation and ferromagnetism in MoS2 nanosheets. *Applied Physics Letters*, **2018**, 113, 013101	3.4	26
229	A Peri-tetracene Diradicaloid: Synthesis and Properties. *Angewandte Chemie - International Edition*, **2018**, 57, 9697-9701	16.4	60
228	A Peri-tetracene Diradicaloid: Synthesis and Properties. *Angewandte Chemie*, **2018**, 130, 9845-9849	3.6	27
227	Binary Controls on Interfacial Magnetism in Manganite Heterostructures. *Advanced Functional Materials*, **2018**, 28, 1801766	15.6	13
226	Low-field switchable dynamic anisotropy in FeCoN thin film with weak stripe domain. *AIP Advances*, **2017**, 7, 056003	1.5	
225	Radical and Diradical Formation in Naphthalene Diimides through Simple Chemical Oxidation. *ChemPhysChem*, **2017**, 18, 591-595	3.2	17
224	Rylene Ribbons with Unusual Diradical Character. *CheM*, **2017**, 2, 81-92	16.2	82
223	Defects engineering induced room temperature ferromagnetism in transition metal doped MoS 2. *Materials and Design*, **2017**, 121, 77-84	8.1	81
222	Extrusion printing of a designed three-dimensional YBa2Cu3O7 superconductor with milled precursor powder. *Journal of Materials Chemistry C*, **2017**, 5, 3382-3389	7.1	11
221	Enhanced oxygen evolution reaction by Co-O-C bonds in rationally designed Co3O4/graphene nanocomposites. *Nano Energy*, **2017**, 33, 445-452	17.1	102
220	Toward Stable Superbenzoquinone Diradicaloids. *Angewandte Chemie*, **2017**, 129, 5094-5098	3.6	18
219	Activating and Optimizing Activity of CoS2 for Hydrogen Evolution Reaction through the Synergic Effect of N Dopants and S Vacancies. *ACS Energy Letters*, **2017**, 2, 1022-1028	20.1	165
218	A Stable N-Annulated Perylene-Bridged Bisphenoxyl Diradicaloid and the Corresponding Boron Trifluoride Complex. *Chemistry - A European Journal*, **2017**, 23, 9419-9424	4.8	11
217	Computational modeling sheds light on structural evolution in metallic glasses and supercooled liquids. *Npj Computational Materials*, **2017**, 3,	10.9	51

216	Cyclopenta Ring Fused Bisanthene and Its Charged Species with Open-Shell Singlet Diradical Character and Global Aromaticity/ Anti-Aromaticity. *Angewandte Chemie - International Edition*, **2017**, 56, 11415-11419	16.4	44
215	Magnetic Behavior of ZnO Nanorods Doped with Silver (Ag3+) Ions. *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 5631-5636	1.3	5
214	Ferrite-based soft and hard magnetic structures by extrusion free-forming. *RSC Advances*, **2017**, 7, 27128-27138	3.7	16
213	Toward Benzobis(thiadiazole)-based Diradicaloids. *Chemistry - an Asian Journal*, **2017**, 12, 2177-2182	4.5	16
212	Ambient Stable Radical Cations, Diradicaloid Dimeric Dications, Closed-Shell Dications, and Diradical Dications of Methylthio-Capped Rylenes. *Chemistry - A European Journal*, **2017**, 23, 7595-7606	4.8	10
211	Resistive switching behavior in copper doped zinc oxide (ZnO:Cu) thin films studied by using scanning probe microscopy techniques. *Journal of Alloys and Compounds*, **2017**, 709, 535-541	5.7	18
210	Toward Stable Superbenzoquinone Diradicaloids. *Angewandte Chemie - International Edition*, **2017**, 56, 5012-5016	16.4	32
209	Phase-transfer induced room temperature ferromagnetic behavior in 1T@2H-MoSe nanosheets. *Scientific Reports*, **2017**, 7, 45307	4.9	17
208	Activating Basal Planes and S-Terminated Edges of MoS2 toward More Efficient Hydrogen Evolution. *Advanced Functional Materials*, **2017**, 27, 1604943	15.6	104
207	Dual-Functional N Dopants in Edges and Basal Plane of MoS2 Nanosheets Toward Efficient and Durable Hydrogen Evolution. *Advanced Energy Materials*, **2017**, 7, 1602086	21.8	215
206	Low-Field Dynamic Magnetic Separation by Self-Fabricated Magnetic Meshes for Efficient Heavy Metal Removal. *ACS Applied Materials & Interfaces*, **2017**, 9, 36772-36782	9.5	24
205	A Three-Dimensionally Conjugated Diradical Molecular Cage. *Angewandte Chemie*, **2017**, 129, 15585-15589	3.6	13
204	A Three-Dimensionally Conjugated Diradical Molecular Cage. *Angewandte Chemie - International Edition*, **2017**, 56, 15383-15387	16.4	35
203	Inducing High Coercivity in MoS2 Nanosheets by Transition Element Doping. *Chemistry of Materials*, **2017**, 29, 9066-9074	9.6	50
202	Nanochannels: A 1D Vanadium Dioxide Nanochannel Constructed via Electric-Field-Induced Ion Transport and its Superior Metal Insulator Transition (Adv. Mater. 39/2017). *Advanced Materials*, **2017**, 29,	24	1
201	Fluorenyl Based Macrocyclic Polyradicaloids. *Journal of the American Chemical Society*, **2017**, 139, 13173-13183	14.4	44
200	A 1D Vanadium Dioxide Nanochannel Constructed via Electric-Field-Induced Ion Transport and its Superior Metal-Insulator Transition. *Advanced Materials*, **2017**, 29, 1702162	24	52
199	Role of RKKY torque on domain wall motion in synthetic antiferromagnetic nanowires with opposite spin Hall angles. *Scientific Reports*, **2017**, 7, 11715	4.9	17

198	Stable Oxindolyl-Based Analogues of Chichibabin's and Müller's Hydrocarbons. *Angewandte Chemie - International Edition*, **2017**, 56, 14154-14158	16.4	22
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