Dan Wang

List of Publications by Year in Descending Order

326 papers	19,972 citations	70 h-index	134 g-index
356 ext. papers	23,144 ext. citations	9.9 avg, IF	7.35 L-index

#	Paper	IF	Citations
326	Eliminating Hysteresis of Perovskite Solar Cells with Hollow TiO2 Mesoporous Electron Transport Layer. *Chemical Research in Chinese Universities*, **2022**, 38, 117-122	2.2	0
325	Triazine-graphdiyne with well-defined two kinds of active sites for simultaneous detection of Pb2+ and Cd2+. *Journal of Environmental Chemical Engineering*, **2022**, 10, 107159	6.8	3
324	Order-disorder transition in amorphous Vanadium-Phosphorus-Lithium cathode of lithium ion battery. *Applied Surface Science*, **2022**, 573, 151490	6.7	3
323	Different mechanisms of improving CH3NH3PbI3 perovskite solar cells brought by fluorinated or nitrogen doped graphdiyne. *Nano Research*, **2022**, 15, 573	10	3
322	Highly Efficient Photothermal Conversion and Water Transport during Solar Evaporation Enabled by Amorphous Hollow Multishelled Nanocomposites (Adv. Mater. 7/2022). *Advanced Materials*, **2022**, 34, 2270052	24	0
321	High-Gravity-Assisted Intensified Preparation of Er-Doped and Yb/Er-Codoped CaF2 Upconversion Nanophosphors for Noncontact Temperature Measurement. *Industrial & Engineering Chemistry Research*, **2022**, 61, 2986-2996	3.9	0
320	Computational and experimental study of dental resin composites with high filler content. *Journal of Materials Science*, **2022**, 57, 5788-5804	4.3	0
319	Accurately localizing multiple nanoparticles in a multishelled matrix through shell-to-core evolution for maximizing energy storage capability.. *Advanced Materials*, **2022**, e2200206	24	5
318	Glass Anode Crystallization for High Specific Capacity Lithium-ion Batteries. *Chemical Engineering Journal*, **2022**, 136228	14.7	2
317	Highly transparent liquid marble in liquid (HT-LMIL) as 3D miniaturized reactor for real-time bio-/chemical assays. *Chemical Engineering Journal*, **2022**, 443, 136417	14.7	0
316	Decoding lithium batteries through advanced in situ characterization techniques. *International Journal of Minerals, Metallurgy and Materials*, **2022**, 29, 965-989	3.1	2
315	Significantly enhancing electro-actuation performance of dielectric elastomer with ZrO2 nanoparticles. *Composites Science and Technology*, **2022**, 109543	8.6	
314	Fabrication and Application of Graphdiyne-based Heterogeneous Compositions: from the View of Interaction. *Chemical Research in Chinese Universities*, **2021**, 37, 1158	2.2	0
313	Fabrication of a High-Performance and Reusable Planar Face Mask in Response to the COVID-19 Pandemic. *Engineering*, **2021**,	9.7	1
312	Masks for COVID-19. *Advanced Science*, **2021**, e2102189	13.6	11
311	General Synthesis of Multiple-Cores@Multiple-Shells Hollow Composites and Their Application to Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 25719-25722	16.4	7
310	General Synthesis of Multiple-Cores@Multiple-Shells Hollow Composites and Their Application to Lithium-Ion Batteries. *Angewandte Chemie*, **2021**, 133, 25923-25926	3.6	0

309	Highly Efficient Photothermal Conversion and Water Transport during Solar Evaporation Enabled by Amorphous Hollow Multishelled Nanocomposites. *Advanced Materials*, **2021**, e2107400	24	16
308	Preparation of transparent BaSO4 nanodispersions by high-gravity reactive precipitation combined with surface modification for transparent X-ray shielding nanocomposite films. *Frontiers of Chemical Science and Engineering*, **2021**, 15, 902-912	4.5	1
307	Rapid ex□vivo assessment of cancer prognosis by fluorescence imaging of nucleolus using nitrogen doped carbon dots. *Analytica Chimica Acta*, **2021**, 1154, 338309	6.6	4
306	Solubility and Solubility Modeling of 1,3,5-Tris(1-phenyl-1H-benzimidazol-2-yl)benzene toward Nanodispersions in Organic Solvents. *Journal of Chemical & Engineering Data*, **2021**, 66, 2568-2575	2.8	1
305	Long-Lived Liquid Marbles for Green Applications. *Advanced Functional Materials*, **2021**, 31, 2011198	15.6	9
304	Solar Water Splitting: Hollow Multishelled Structured SrTiO3 with La/Rh Co-Doping for Enhanced Photocatalytic Water Splitting under Visible Light (Small 22/2021). *Small*, **2021**, 17, 2170111	11	1
303	Temperature-Feedback Nanoplatform for NIR-II Penta-Modal Imaging-Guided Synergistic Photothermal Therapy and CAR-NK Immunotherapy of Lung Cancer. *Small*, **2021**, 17, e2101397	11	7
302	High-gravity-driven process intensified approach toward Mn2+ doped Zn2GeO4 nanophosphors for deep-ultraviolet detecting. *Optik*, **2021**, 235, 166644	2.5	0
301	Boosting hydrogen evolution reaction on few-layer graphdiyne by sp-N and B co-doping. *APL Materials*, **2021**, 9, 071102	5.7	8
300	Galvanic replacement reaction for in situ fabrication of litchi-shaped heterogeneous liquid metal-Au nano-composite for radio-photothermal cancer therapy. *Bioactive Materials*, **2021**, 6, 602-612	16.7	16
299	Highly Selective Two-Electron Electrocatalytic CO2 Reduction on Single-Atom Cu Catalysts. *Small Structures*, **2021**, 2, 2000058	8.7	44
298	Small Structures Bring Big Things: Performance Control of Hollow Multishelled Structures. *Small Structures*, **2021**, 2, 2000041	8.7	23
297	circSETD3 regulates MAPRE1 through miR-615-5p and miR-1538 sponges to promote migration and invasion in nasopharyngeal carcinoma. *Oncogene*, **2021**, 40, 307-321	9.2	32
296	Core□hell nano/microstructures for heterogeneous tandem catalysis. *Materials Chemistry Frontiers* , **2021**, 5, 1126-1139	7.8	16
295	Scalable and controllable fabrication of CNTs improved yolk-shelled Si anodes with advanced in operando mechanical quantification. *Energy and Environmental Science*, **2021**, 14, 3502-3509	35.4	14
294	Efficient nitrogen reduction to ammonia by fluorine vacancies with a multi-step promoting effect. *Journal of Materials Chemistry A*, **2021**, 9, 894-899	13	9
293	Carbon dots: synthesis, properties and biomedical applications. *Journal of Materials Chemistry B*, **2021**, 9, 6553-6575	7.3	22
292	Investigation on Designing Meltblown Fibers for the Filtering Layer of a Mask by Cross-Scale Simulations. *Industrial & Engineering Chemistry Research*, **2021**, 60, 1962-1971	3.9	2

291	Innentitelbild: Delicate Control on the Shell Structure of Hollow Spheres Enables Tunable Mass Transport in Water Splitting (Angew. Chem. 13/2021). *Angewandte Chemie*, **2021**, 133, 6906-6906	3.6	
290	Surface Engineering of Titanium Dioxide Nanoparticles for Silicone-Based Transparent Hybrid Films with Ultrahigh Refractive Indexes. *Langmuir*, **2021**, 37, 2707-2713	4	2
289	Delicate Control on the Shell Structure of Hollow Spheres Enables Tunable Mass Transport in Water Splitting. *Angewandte Chemie*, **2021**, 133, 7002-7007	3.6	5
288	Delicate Control on the Shell Structure of Hollow Spheres Enables Tunable Mass Transport in Water Splitting. *Angewandte Chemie - International Edition*, **2021**, 60, 6926-6931	16.4	24
287	Single-cell RNA sequencing in cancer research. *Journal of Experimental and Clinical Cancer Research*, **2021**, 40, 81	12.8	19
286	CaF2/SiO2 core□shell nanoparticles as novel fillers with reinforced mechanical properties and sustained fluoride ion release for dental resin composites. *Journal of Materials Science*, **2021**, 56, 16648-16660	4.3	2
285	Hollow structures as drug carriers: Recognition, response, and release. *Nano Research*, **2021**, 1-19	10	2
284	A Highly Controlled Organic-Inorganic Encapsulation Nanocomposite with Versatile Features toward Wearable Device Applications. *Macromolecular Rapid Communications*, **2021**, 42, e2100134	4.8	
283	A General Strategy for Efficiently Constructing Multifunctional Cluster Fillers Using a Three-Fluid Nozzle Spray Drying Technique for Dental Restoration. *Engineering*, **2021**,	9.7	2
282	Scalable synthesis of ytterbium and erbium codoped calcium molybdate phosphors as upconversion luminescent thermometer. *AICHE Journal*, **2021**, 67, e17399	3.6	3
281	Mechanical Robust Flexible Single-Component Organic Solar Cells.. *Small Methods*, **2021**, 5, e2100481	12.8	7
280	Construction of Cu nanoparticles embedded nitrogen□doped carbon derived from biomass for highly boosting the nitrobenzene reduction: An experimental and theoretical understanding. *Chemical Engineering Journal*, **2021**, 419, 129640	14.7	10
279	Cost-Effective Strategy for the Synthesis of Air-Stable CHNHPbX (X = Cl, Br, and I) Quantum Dots with Bright Emission. *Langmuir*, **2021**, 37, 11520-11525	4	0
278	Citric acid-assisted ultrasmall CeO2 nanoparticles for efficient photocatalytic degradation of glyphosate. *Chemical Engineering Journal*, **2021**, 425, 130640	14.7	13
277	Prussian Blue Analogs and Their Derived Nanomaterials for Electrochemical Energy Storage and Electrocatalysis.. *Small Methods*, **2021**, 5, e2001000	12.8	22
276	Hollow Multishelled Structured SrTiO with La/Rh Co-Doping for Enhanced Photocatalytic Water Splitting under Visible Light. *Small*, **2021**, 17, e2005345	11	16
275	Heteroatoms in graphdiyne for catalytic and energy-related applications. *Journal of Materials Chemistry A*, **2021**, 9, 19298-19316	13	4
274	Inhibiting tumor oxygen metabolism and simultaneously generating oxygen by intelligent upconversion nanotherapeutics for enhanced photodynamic therapy. *Biomaterials*, **2020**, 251, 120088	15.6	33

273	Hollow Micro-/Nanostructure Reviving Lithium-sulfur Batteries. *Chemical Research in Chinese Universities*, **2020**, 36, 313-319	2.2	48
272	Nitrogen-Doped Graphene Foam as a Metal-Free Catalyst for Reduction Reactions under a High Gravity Field. *Engineering*, **2020**, 6, 680-687	9.7	18
271	Dual-Defects Adjusted Crystal-Field Splitting of LaCo Ni O Hollow Multishelled Structures for Efficient Oxygen Evolution. *Angewandte Chemie - International Edition*, **2020**, 59, 19691-19695	16.4	37
270	Nucleolus-Targeted Photodynamic Anticancer Therapy Using Renal-Clearable Carbon Dots. *Advanced Healthcare Materials*, **2020**, 9, e2000607	10.1	29
269	Cellulose derived nitrogen and phosphorus co-doped carbon-based catalysts for catalytic reduction of p-nitrophenol. *Journal of Colloid and Interface Science*, **2020**, 571, 100-108	9.3	19
268	High-gravity-assisted emulsification for continuous preparation of waterborne polyurethane nanodispersion with high solids content. *Frontiers of Chemical Science and Engineering*, **2020**, 14, 1087-1099	4.5	6
267	Dynamic Intelligent Cu Current Collectors for Ultrastable Lithium Metal Anodes. *Nano Letters*, **2020**, 20, 3403-3410	11.5	36
266	Transition Metal (Fe, Co, Mn) Boosting the Lithium Storage of the Multishelled NiO Anode. *Energy Technology*, **2020**, 8, 2000008	3.5	5
265	Can Masks Be Reused After Hot Water Decontamination During the COVID-19 Pandemic?. *Engineering*, **2020**, 6, 1115-1121	9.7	38
264	Dual-Defects Adjusted Crystal-Field Splitting of LaCo1−xNixO3 Hollow Multishelled Structures for Efficient Oxygen Evolution. *Angewandte Chemie*, **2020**, 132, 19859-19863	3.6	4
263	Hollow multishelled structures revive high energy density batteries. *Nanoscale Horizons*, **2020**, 5, 1287-1292	2.2	13
262	Co-N-C in porous carbon with enhanced lithium ion storage properties. *Chemical Engineering Journal*, **2020**, 389, 124377	14.7	19
261	Hollow multishell structures exercise temporal–spatial ordering and dynamic smart behaviour. *Nature Reviews Chemistry*, **2020**, 4, 159-168	34.6	83
260	A Hollow Multi-Shelled Structure for Charge Transport and Active Sites in Lithium-Ion Capacitors. *Angewandte Chemie - International Edition*, **2020**, 59, 4865-4868	16.4	53
259	High-Gravity-Assisted Synthesis of Surfactant-Free Transparent Dispersions of Monodispersed MgAl-LDH Nanoparticles. *Industrial & Engineering Chemistry Research*, **2020**, 59, 2960-2967	3.9	7
258	The properties of dental resin composites reinforced with silica colloidal nanoparticle clusters: Effects of heat treatment and filler composition. *Composites Part B: Engineering*, **2020**, 186, 107791	10	17
257	A Hollow Multi-Shelled Structure for Charge Transport and Active Sites in Lithium-Ion Capacitors. *Angewandte Chemie*, **2020**, 132, 4895-4898	3.6	21
256	When hollow multishelled structures (HoMSs) meet metal-organic frameworks (MOFs). *Chemical Science*, **2020**, 11, 5359-5368	9.4	17

255	ZnO nanodispersion as pseudohomogeneous catalyst for alcoholysis of polyethylene terephthalate. *Chemical Engineering Science*, **2020**, 220, 115642	4.4	32
254	Efficient sequential harvesting of solar light by heterogeneous hollow shells with hierarchical pores. *National Science Review*, **2020**, 7, 1638-1646	10.8	36
253	Enhanced Charge Separation and Transfer of Fe2O3@Nitrogen-Rich Carbon Nitride Tubes for Photocatalytic Water Splitting. *Energy Technology*, **2020**, 8, 2000108	3.5	4
252	Controllable synthesis and evolution mechanism of monodispersed Sub-10 nm ZrO2 nanocrystals. *Chemical Engineering Journal*, **2020**, 394, 124843	14.7	5
251	Hollow Nanostructures for Surface/Interface Chemical Energy Storage Application. *Acta Chimica Sinica*, **2020**, 78, 1200	3.3	12
250	In situ visualization and real-time tracking of emulsion and miniemulsion polymerization at the microscale via fluorescence imaging. *Chemical Engineering Science*, **2020**, 211, 115288	4.4	3
249	V O Textile Cathodes with High Capacity and Stability for Flexible Lithium-Ion Batteries. *Advanced Materials*, **2020**, 32, e1906205	24	68
248	Synthesis of Silver Sulfide Quantum Dots Via the Liquid□liquid Interface Reaction in a Rotating Packed Bed Reactor. *Transactions of Tianjin University*, **2020**, 26, 273-282	2.9	5
247	Three-dimensional assemblies of carbon nitride tubes as nanoreactors for enhanced photocatalytic hydrogen production. *Journal of Materials Chemistry A*, **2020**, 8, 305-312	13	60
246	Controllable Synthesis of Hollow Multishell Structured Co3O4 with Improved Rate Performance and Cyclic Stability for Supercapacitors. *Chemical Research in Chinese Universities*, **2020**, 36, 68-73	2.2	39
245	Multi-stimuli-responsive liquid marbles stabilized by superhydrophobic luminescent carbon dots for miniature reactors. *Chemical Engineering Journal*, **2020**, 391, 123478	14.7	11
244	Steering Hollow Multishelled Structures in Photocatalysis: Optimizing Surface and Mass Transport. *Advanced Materials*, **2020**, 32, e2002556	24	63
243	Manganese-Doped Layered Double Hydroxide: A Biodegradable Theranostic Nanoplatform with Tumor Microenvironment Response for Magnetic Resonance Imaging-Guided Photothermal Therapy.. *ACS Applied Bio Materials*, **2020**, 3, 5845-5855	4.1	12
242	Unique structural advances of graphdiyne for energy applications. *EnergyChem*, **2020**, 2, 100041	36.9	21
241	Fast hyperspectral imager driven by a low-cost and compact galvo-mirror. *Optik*, **2020**, 224, 165716	2.5	4
240	Ionic liquid assisted multi-heteroatom doping in core-shell ZnFe2O4@rGO with highly reversible lithiation/delithiation kinetics. *Journal of Alloys and Compounds*, **2020**, 848, 156593	5.7	4
239	Super-strong and uniform fluorescent composite silk from trace AIE nanoparticle feeding. *Composites Communications*, **2020**, 21, 100414	6.7	6
238	Sulfur-based redox chemistry for electrochemical energy storage. *Coordination Chemistry Reviews*, **2020**, 422, 213445	23.2	11

237	Liquid Marbles in Liquid. *Small*, **2020**, 16, e2002802	11	4
236	Graphene-encapsulated nickel-copper bimetallic nanoparticle catalysts for electrochemical reduction of CO to CO. *Chemical Communications*, **2020**, 56, 11275-11278	5.8	13
235	Photocatalysts: Steering Hollow Multishelled Structures in Photocatalysis: Optimizing Surface and Mass Transport (Adv. Mater. 44/2020). *Advanced Materials*, **2020**, 32, 2070328	24	1
234	EBV-miR-BART12 accelerates migration and invasion in EBV-associated cancer cells by targeting tubulin polymerization-promoting protein 1. *FASEB Journal*, **2020**, 34, 16205-16223	0.9	14
233	Controllable Synthesis of Upconversion Nanophosphors toward Scale-Up Productions. *Particle and Particle Systems Characterization*, **2020**, 37, 2000129	3.1	6
232	Synthesis of Ultrasmall and Monodisperse Selenium-Doped Carbon Dots from Amino Acids for Free Radical Scavenging. *Industrial & Engineering Chemistry Research*, **2020**, 59, 16876-16883	3.9	7
231	Preparation of Aqueous Nanodispersions of Disperse Dye by High-Gravity Technology and Spray Drying. *Chemical Engineering and Technology*, **2020**, 43, 2118-2125	2	1
230	Sequential drug release via chemical diffusion and physical barriers enabled by hollow multishelled structures. *Nature Communications*, **2020**, 11, 4450	17.4	28
229	High-gravity-assisted preparation of aqueous dispersions of monodisperse palladium nanocrystals as pseudohomogeneous catalyst for highly efficient nitrobenzene reduction. *Chemical Engineering Journal*, **2020**, 382, 122883	14.7	29
228	Lattice Distortion in Hollow Multi-Shelled Structures for Efficient Visible-Light CO2 Reduction with a SnS2/SnO2 Junction. *Angewandte Chemie*, **2020**, 132, 731-734	3.6	31
227	Lattice Distortion in Hollow Multi-Shelled Structures for Efficient Visible-Light CO Reduction with a SnS /SnO Junction. *Angewandte Chemie - International Edition*, **2020**, 59, 721-724	16.4	84
226	High-gravity-assisted green synthesis of rare-earth doped calcium molybdate colloidal nanophosphors. *Chinese Journal of Chemical Engineering*, **2020**, 28, 1744-1751	3.2	12
225	Tuning the Doping of Europium in Gadolinium Borate Microparticles at Mesoscale Toward Efficient Production of Red Phosphors. *ACS Omega*, **2019**, 4, 14497-14502	3.9	4
224	Efficient Construction of SiO2 Colloidal Nanoparticle Clusters as Novel Fillers by a Spray-Drying Process for Dental Composites. *Industrial & Engineering Chemistry Research*, **2019**, 58, 18178-18186	3.9	13
223	Solubility, Solubility Modeling, and Antisolvent Precipitation of 1,3-Bis(9-carbazolyl)benzene in Organic Solvents. *Journal of Chemical & Engineering Data*, **2019**, 64, 4349-4356	2.8	5
222	Super-strong and Intrinsically Fluorescent Silkworm Silk from Carbon Nanodots Feeding. *Nano-Micro Letters*, **2019**, 11, 75	19.5	18
221	Metal-free catalytic oxidation of benzylic alcohols for benzaldehyde. *Reaction Chemistry and Engineering*, **2019**, 4, 507-515	4.9	15
220	Regulating the color output and simultaneously enhancing the intensity of upconversion nanoparticles via a dye sensitization strategy. *Journal of Materials Chemistry C*, **2019**, 7, 8607-8615	7.1	13

219	Hollow Multishelled Structures for Promising Applications: Understanding the Structure-Performance Correlation. *Accounts of Chemical Research*, **2019**, 52, 2169-2178	24.3	110
218	Hollow Multi-Shelled Structural TiO with Multiple Spatial Confinement for Long-Life Lithium-Sulfur Batteries. *Angewandte Chemie - International Edition*, **2019**, 58, 9078-9082	16.4	100
217	Hollow Multi-Shelled Structural TiO2 with Multiple Spatial Confinement for Long-Life LithiumSulfur Batteries. *Angewandte Chemie*, **2019**, 131, 9176-9180	3.6	33
216	Design of three-dimensional hierarchical TiO2/SrTiO3 heterostructures towards selective CO2 photoreduction. *Inorganic Chemistry Frontiers*, **2019**, 6, 1667-1674	6.8	20
215	High-gravity-hydrolysis approach to transparent nanozirconia/silicone encapsulation materials of light emitting diodes devices for healthy lighting. *Nano Energy*, **2019**, 62, 1-10	17.1	26
214	Subcritical water processing for nanopharmaceuticals. *Chemical Engineering and Processing: Process Intensification*, **2019**, 140, 36-42	3.7	8
213	Stereodefined Codoping of sp-N and S Atoms in Few-Layer Graphdiyne for Oxygen Evolution Reaction. *Journal of the American Chemical Society*, **2019**, 141, 7240-7244	16.4	123
212	A Rutile TiO2 Electron Transport Layer for the Enhancement of Charge Collection for Efficient Perovskite Solar Cells. *Angewandte Chemie*, **2019**, 131, 9514-9518	3.6	8
211	A Rutile TiO Electron Transport Layer for the Enhancement of Charge Collection for Efficient Perovskite Solar Cells. *Angewandte Chemie - International Edition*, **2019**, 58, 9414-9418	16.4	61
210	Magnetic Hydrogel with Optimally Adaptive Functions for Breast Cancer Recurrence Prevention. *Advanced Healthcare Materials*, **2019**, 8, e1900203	10.1	50
209	Non-Magnetic Injectable Implant for Magnetic Field-Driven Thermochemotherapy and Dual Stimuli-Responsive Drug Delivery: Transformable Liquid Metal Hybrid Platform for Cancer Theranostics. *Small*, **2019**, 15, e1900511	11	31
208	Manganese-Based Magnetic Layered Double Hydroxide Nanoparticle: A pH-Sensitive and Concurrently Enhanced /-Weighted Dual-Mode Magnetic Resonance Imaging Contrast Agent. *ACS Biomaterials Science and Engineering*, **2019**, 5, 2555-2562	5.5	22
207	Effect of in vitro collagen fibrillogenesis on Langmuir-Blodgett (LB) deposition for cellular behavior regulation. *Colloids and Surfaces B: Biointerfaces*, **2019**, 179, 48-55	6	4
206	Hollow Multi-Shelled Structure with Metal-Organic-Framework-Derived Coatings for Enhanced Lithium Storage. *Angewandte Chemie - International Edition*, **2019**, 58, 5266-5271	16.4	67
205	Surfactant-Free Aqueous Dispersions of Shape- and Size-Controlled Zirconia Colloidal Nanocrystal Clusters with Enhanced Photocatalytic Activity. *Langmuir*, **2019**, 35, 11755-11763	4	5
204	Hollow multi-shell structured SnO2 with enhanced performance for ultraviolet photodetectors. *Inorganic Chemistry Frontiers*, **2019**, 6, 1968-1972	6.8	16
203	Loading Graphene Quantum Dots into Optical-Magneto Nanoparticles for Real-Time Tracking. *Materials*, **2019**, 12,	3.5	5
202	Synergistic catalysis between atomically dispersed Fe and a pyrrolic-N-C framework for CO2 electroreduction. *Nanoscale Horizons*, **2019**, 4, 1411-1415	10.8	14

201	Sandwich-Like Ultrathin TiS2 Nanosheets Confined within N, S Codoped Porous Carbon as an Effective Polysulfide Promoter in Lithium-Sulfur Batteries. *Advanced Energy Materials*, **2019**, 9, 1901872	21.8	119
200	Sub-kilogram-scale synthesis of highly dispersible zirconia nanoparticles for hybrid optical resins. *Applied Surface Science*, **2019**, 491, 505-516	6.7	6
199	A Hollow-Shell Structured V2O5 Electrode-Based Symmetric Full Li-Ion Battery with Highest Capacity. *Advanced Energy Materials*, **2019**, 9, 1900909	21.8	35
198	Enhanced catalytic activity of Au-CeO2/Al2O3 monolith for low-temperature CO oxidation. *Catalysis Communications*, **2019**, 129, 105729	3.2	17
197	Metal (M = Ru, Pd and Co) embedded in C2N with enhanced lithium storage properties. *Materials Today Energy*, **2019**, 14, 100359	7	9
196	AIE Luminogens for Three-Photon Fluorescence Bioimaging **2019**, 425-455		3
195	Hollow Multi-Shelled Structures of CoO Dodecahedron with Unique Crystal Orientation for Enhanced Photocatalytic CO Reduction. *Journal of the American Chemical Society*, **2019**, 141, 2238-2241	16.4	205
194	Efficient preparation of nanoscale zero-valent iron by high gravity technology for enhanced Cr(VI) removal. *Canadian Journal of Chemical Engineering*, **2019**, 97, 1451-1458	2.3	2
193	Hollow Multi-Shelled Structure with Metal Organic-Framework-Derived Coatings for Enhanced Lithium Storage. *Angewandte Chemie*, **2019**, 131, 5320-5325	3.6	12
192	Zirconia quantum dots for a nonvolatile resistive random access memory device. *Frontiers of Information Technology and Electronic Engineering*, **2019**, 20, 1698-1705	2.2	4
191	Process Intensified Synthesis of Rare-Earth Doped NaYF4 Nanorods toward Gram-Scale Production. *Industrial & Engineering Chemistry Research*, **2019**, 58, 22306-22314	3.9	9
190	Design and efficient fabrication of micro-sized clusters of hydroxyapatite nanorods for dental resin composites. *Journal of Materials Science*, **2019**, 54, 3878-3892	4.3	12
189	High-gravity-assisted scalable synthesis of zirconia nanodispersion for light emitting diodes encapsulation with enhanced light extraction efficiency. *Chemical Engineering Science*, **2019**, 195, 1-10	4.4	26
188	Triple-Shelled Manganese-Cobalt Oxide Hollow Dodecahedra with Highly Enhanced Performance for Rechargeable Alkaline Batteries. *Angewandte Chemie - International Edition*, **2019**, 58, 996-1001	16.4	76
187	Triple-Shelled Manganese Cobalt Oxide Hollow Dodecahedra with Highly Enhanced Performance for Rechargeable Alkaline Batteries. *Angewandte Chemie*, **2019**, 131, 1008-1013	3.6	16
186	Graphdiyne: synthesis, properties, and applications. *Chemical Society Reviews*, **2019**, 48, 908-936	58.5	337
185	Hollow Multishelled Structure of Heterogeneous Co3O4 CeO2 Nanocomposite for CO Catalytic Oxidation. *Advanced Functional Materials*, **2019**, 29, 1806588	15.6	55
184	Hollow Multishelled Heterostructured Anatase/TiO (B) with Superior Rate Capability and Cycling Performance. *Advanced Materials*, **2019**, 31, e1805754	24	85

183	Preparation of fluorescent waterborne polyurethane nanodispersion by high-gravity miniemulsion polymerization for multifunctional applications. *Chemical Engineering and Processing: Process Intensification*, **2019**, 136, 36-43	3.7	14
182	Controllable synthesis of transparent dispersions of monodisperse anatase-TiO2 nanoparticles and nanorods. *Materials Chemistry and Physics*, **2019**, 224, 100-106	4.4	10
181	Constructing SrTiO -TiO Heterogeneous Hollow Multi-shelled Structures for Enhanced Solar Water Splitting. *Angewandte Chemie - International Edition*, **2019**, 58, 1422-1426	16.4	139
180	Sequential Templating Approach: A Groundbreaking Strategy to Create Hollow Multishelled Structures. *Advanced Materials*, **2019**, 31, e1802874	24	110
179	Rotating packed bed as a novel disinfection contactor for the inactivation of E.□coli by ozone. *Chemosphere*, **2019**, 214, 695-701	8.4	14
178	Synthesis and Applications of Graphdiyne-Based Metal-Free Catalysts. *Advanced Materials*, **2019**, 31, e1803762	24	92
177	Selective synthesis of triacetin from glycerol catalyzed by HZSM-5/MCM-41 micro/mesoporous molecular sieve. *Chinese Journal of Chemical Engineering*, **2019**, 27, 1073-1078	3.2	19
176	Design of Hollow Nanostructures for Energy Storage, Conversion and Production. *Advanced Materials*, **2019**, 31, e1801993	24	224
175	CFD modelling of gas flow characteristics for the gas-heating holder in environmental transmission electron microscope. *Canadian Journal of Chemical Engineering*, **2019**, 97, 777-784	2.3	1
174	Effect of nanoheat stimulation mediated by magnetic nanocomposite hydrogel on the osteogenic differentiation of mesenchymal stem cells. *Science China Life Sciences*, **2018**, 61, 448-456	8.5	21
173	ICG-Sensitized NaYF4:Er Nanostructure for Theranostics. *Advanced Optical Materials*, **2018**, 6, 1701142	8.1	34
172	Preparation of 3D graphene/iron oxides aerogels based on high-gravity intensified reactive precipitation and their applications for photo-Fenton reaction. *Chemical Engineering and Processing: Process Intensification*, **2018**, 129, 77-83	3.7	13
171	Recent progress in the green synthesis of rare-earth doped upconversion nanophosphors for optical bioimaging from cells to animals. *Chinese Journal of Chemical Engineering*, **2018**, 26, 2206-2218	3.2	21
170	Formation of multi-shelled nickel-based sulfide hollow spheres for rechargeable alkaline batteries. *Inorganic Chemistry Frontiers*, **2018**, 5, 535-540	6.8	56
169	Colloidal Synthesis of Semiconductor Quantum Dots toward Large-Scale Production: A Review. *Industrial & Engineering Chemistry Research*, **2018**, 57, 1790-1802	3.9	155
168	A theranostic nanocomposite system based on radial mesoporous silica hybridized with Fe3O4 nanoparticles for targeted magnetic field responsive chemotherapy of breast cancer. *RSC Advances* , **2018**, 8, 4321-4328	3.7	23
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