

# Dan Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2539552/publications.pdf>

Version: 2024-02-01

211  
papers

9,718  
citations

34105

52  
h-index

46799

89  
g-index

213  
all docs

213  
docs citations

213  
times ranked

11982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphdiyne: synthesis, properties, and applications. <i>Chemical Society Reviews</i> , 2019, 48, 908-936.	38.1	584
2	Using 915 nm Laser Excited Tm <sup>3+</sup> /Er <sup>3+</sup> /Ho <sup>3+</sup> -Doped NaYbF <sub>4</sub> Upconversion Nanoparticles for <i>in Vitro</i> and Deeper <i>in Vivo</i> Bioimaging without Overheating Irradiation. <i>ACS Nano</i> , 2011, 5, 3744-3757.	14.6	490
3	Facile synthesis of fluorescence carbon dots from sweet potato for Fe <sup>3+</sup> sensing and cell imaging. <i>Materials Science and Engineering C</i> , 2017, 76, 856-864.	7.3	270
4	Colloidal Synthesis of Semiconductor Quantum Dots toward Large-Scale Production: A Review. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 1790-1802.	3.7	230
5	Multifunctional Gold Nanorods with Ultrahigh Stability and Tunability for <i>In Vivo</i> Fluorescence Imaging, SERS Detection, and Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1148-1151.	13.8	222
6	Constructing SrTiO <sub>3</sub> –TiO <sub>2</sub> Heterogeneous Hollow Multi-Shelled Structures for Enhanced Solar Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1422-1426.	13.8	212
7	Localized surface plasmon resonance enhanced organic solar cell with gold nanospheres. <i>Applied Energy</i> , 2011, 88, 848-852.	10.1	174
8	Highly fluorescent N, S-co-doped carbon dots and their potential applications as antioxidants and sensitive probes for Cr (VI) detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 92-100.	7.8	173
9	Sequential Templating Approach: A Groundbreaking Strategy to Create Hollow Multishelled Structures. <i>Advanced Materials</i> , 2019, 31, e1802874.	21.0	153
10	Hollow Multi-Shelled Structural TiO <sub>2</sub> with Multiple Spatial Confinement for Long-Life Lithium–Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9078-9082.	13.8	149
11	Observation of Multiphoton-Induced Fluorescence from Graphene Oxide Nanoparticles and Applications in <i>In Vivo</i> Functional Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10570-10575.	13.8	147
12	Hollow multishell structures exercise temporal–spatial ordering and dynamic smart behaviour. <i>Nature Reviews Chemistry</i> , 2020, 4, 159-168.	30.2	147
13	Photosensitizer encapsulated organically modified silica nanoparticles for direct two-photon photodynamic therapy and <i>In Vivo</i> functional imaging. <i>Biomaterials</i> , 2012, 33, 4851-4860.	11.4	138
14	Fluorescence-surface enhanced Raman scattering co-functionalized gold nanorods as near-infrared probes for purely optical <i>in vivo</i> imaging. <i>Biomaterials</i> , 2011, 32, 1601-1610.	11.4	135
15	Endothelial dysfunction and reduced nitric oxide in resistance arteries in autosomal-dominant polycystic kidney disease. <i>Kidney International</i> , 2003, 64, 1381-1388.	5.2	131
16	Facile and Scalable Preparation of Fluorescent Carbon Dots for Multifunctional Applications. <i>Engineering</i> , 2017, 3, 402-408.	6.7	130
17	Lattice Distortion in Hollow Multi-Shelled Structures for Efficient Visible-Light CO <sub>2</sub> Reduction with a SnS <sub>2</sub> /SnO <sub>2</sub> Junction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 721-724.	13.8	128
18	A Rutile TiO <sub>2</sub> Electron Transport Layer for the Enhancement of Charge Collection for Efficient Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9414-9418.	13.8	124

#	ARTICLE	IF	CITATIONS
19	Isoform-Specific Regulation by $\text{N}^G$ , $\text{N}^G$ -Dimethylarginine Dimethylaminohydrolase of Rat Serum Asymmetric Dimethylarginine and Vascular Endothelium-Derived Relaxing Factor/NO. <i>Circulation Research</i> , 2007, 101, 627-635.	4.5	123
20	Hollow Multishelled Heterostructured Anatase/ $\text{TiO}_2$ (B) with Superior Rate Capability and Cycling Performance. <i>Advanced Materials</i> , 2019, 31, e1805754.	21.0	117
21	Steering Hollow Multishelled Structures in Photocatalysis: Optimizing Surface and Mass Transport. <i>Advanced Materials</i> , 2020, 32, e2002556.	21.0	116
22	Can graphene quantum dots cause DNA damage in cells?. <i>Nanoscale</i> , 2015, 7, 9894-9901.	5.6	110
23	Global and local buckling analysis of grid-stiffened composite panels. <i>Composite Structures</i> , 2015, 119, 767-776.	5.8	107
24	$\text{V}_2\text{O}_5$ Textile Cathodes with High Capacity and Stability for Flexible Lithium-Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e1906205.	21.0	107
25	Recent Advances in Graphene Quantum Dots for Fluorescence Bioimaging from Cells through Tissues to Animals. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 515-523.	2.3	103
26	Hollow Multi-Shelled Structure with Metal-Organic Framework-Derived Coatings for Enhanced Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5266-5271.	13.8	102
27	Biocompatible and Photostable AIE Dots with Red Emission for In Vivo Two-Photon Bioimaging. <i>Scientific Reports</i> , 2014, 4, 4279.	3.3	100
28	Sulfurized Graphene as Efficient Metal-Free Catalysts for Reduction of 4-Nitrophenol to 4-Aminophenol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 13610-13617.	3.7	100
29	Endothelium-Dependent Relaxation of Small Resistance Vessels Is Impaired in Patients with Autosomal Dominant Polycystic Kidney Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2000, 11, 1371-1376.	6.1	96
30	Graphdiyne: Recent Achievements in Photo- and Electrochemical Conversion. <i>Advanced Science</i> , 2018, 5, 1800959.	11.2	93
31	Aggregation-enhanced fluorescence in PEGylated phospholipid nanomicelles for in vivo imaging. <i>Biomaterials</i> , 2011, 32, 5880-5888.	11.4	92
32	Role of Oxidative Stress in Endothelial Dysfunction and Enhanced Responses to Angiotensin II of Afferent Arterioles from Rabbits Infused with Angiotensin II. <i>Journal of the American Society of Nephrology: JASN</i> , 2003, 14, 2783-2789.	6.1	90
33	Effects of mesenchymal stem cells from human induced pluripotent stem cells on differentiation, maturation, and function of dendritic cells. <i>Stem Cell Research and Therapy</i> , 2017, 8, 48.	5.5	89
34	Masks for COVID-19. <i>Advanced Science</i> , 2022, 9, e2102189.	11.2	89
35	A Hollow Multi-Shelled Structure for Charge Transport and Active Sites in Lithium-Ion Capacitors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4865-4868.	13.8	87
36	Asymmetric dimethylarginine, oxidative stress, and vascular nitric oxide synthase in essential hypertension. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R195-R200.	1.8	86

#	ARTICLE	IF	CITATIONS
37	Hollow Multishelled Structure of Heterogeneous Co <sub>3</sub> O <sub>4</sub> @CeO <sub>2</sub> Nanocomposite for CO Catalytic Oxidation. <i>Advanced Functional Materials</i> , 2019, 29, 1806588.	14.9	86
38	ZnO nanodispersion as pseudohomogeneous catalyst for alcoholysis of polyethylene terephthalate. <i>Chemical Engineering Science</i> , 2020, 220, 115642.	3.8	83
39	Streamline stiffener path optimization (SSPO) for embedded stiffener layout design of non-uniform curved grid-stiffened composite (NCGC) structures. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 344, 1021-1050.	6.6	82
40	Enhanced Contractility of Renal Afferent Arterioles From Angiotensin-Infused Rabbits. <i>Circulation Research</i> , 2004, 94, 1436-1442.	4.5	81
41	Hierarchical Three-Dimensional Cobalt Phosphate Microarchitectures: Large-Scale Solvothermal Synthesis, Characterization, and Magnetic and Microwave Absorption Properties. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15948-15955.	3.1	77
42	Liquid Marbles Based on Magnetic Upconversion Nanoparticles as Magnetically and Optically Responsive Miniature Reactors for Photocatalysis and Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10795-10799.	13.8	75
43	Buckling optimization design of curved stiffeners for grid-stiffened composite structures. <i>Composite Structures</i> , 2017, 159, 656-666.	5.8	74
44	USP19 suppresses inflammation and promotes M2-like macrophage polarization by manipulating NLRP3 function via autophagy. <i>Cellular and Molecular Immunology</i> , 2021, 18, 2431-2442.	10.5	74
45	Asymmetric Dimethylarginine and Lipid Peroxidation Products in Early Autosomal Dominant Polycystic Kidney Disease. <i>American Journal of Kidney Diseases</i> , 2008, 51, 184-191.	1.9	72
46	Can Masks Be Reused After Hot Water Decontamination During the COVID-19 Pandemic?. <i>Engineering</i> , 2020, 6, 1115-1121.	6.7	71
47	Formation of multi-shelled nickel-based sulfide hollow spheres for rechargeable alkaline batteries. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 535-540.	6.0	66
48	Delicate Control on the Shell Structure of Hollow Spheres Enables Tunable Mass Transport in Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6926-6931.	13.8	65
49	Fluorescent carbon dots from milk by microwave cooking. <i>RSC Advances</i> , 2016, 6, 41516-41521.	3.6	63
50	Nucleolus-Targeted Photodynamic Anticancer Therapy Using Renal-Clearable Carbon Dots. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000607.	7.6	61
51	Unlocking the influence of family business exposure on entrepreneurial intentions. <i>International Entrepreneurship and Management Journal</i> , 2018, 14, 951-974.	5.0	57
52	ICG-Sensitized NaYF <sub>4</sub> :Er Nanostructure for Theranostics. <i>Advanced Optical Materials</i> , 2018, 6, 1701142.	7.3	56
53	Contributions of nitric oxide, EDHF, and EETs to endothelium-dependent relaxation in renal afferent arterioles. <i>Kidney International</i> , 2003, 63, 2187-2193.	5.2	54
54	Sequential drug release via chemical diffusion and physical barriers enabled by hollow multishelled structures. <i>Nature Communications</i> , 2020, 11, 4450.	12.8	52

#	ARTICLE	IF	CITATIONS
55	Uniform Two-Dimensional Co <sub>3</sub> O <sub>4</sub> Porous Sheets: Facile Synthesis and Enhanced Photocatalytic Performance. <i>Chemical Engineering and Technology</i> , 2016, 39, 891-898.	1.5	50
56	Synthesis of Transparent Aqueous ZrO <sub>2</sub> Nanodispersion with a Controllable Crystalline Phase without Modification for a High-Refractive-Index Nanocomposite Film. <i>Langmuir</i> , 2018, 34, 6806-6813.	3.5	50
57	Core-shell nano/microstructures for heterogeneous tandem catalysis. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1126-1139.	5.9	50
58	Two-Dimensional Fully Conjugated Polymeric Photosensitizers for Advanced Photodynamic Therapy. <i>Chemistry of Materials</i> , 2016, 28, 8651-8658.	6.7	47
59	Transferrin-coated magnetic upconversion nanoparticles for efficient photodynamic therapy with near-infrared irradiation and luminescence bioimaging. <i>Nanoscale</i> , 2017, 9, 11214-11221.	5.6	47
60	High-gravity-assisted scalable synthesis of zirconia nanodispersion for light emitting diodes encapsulation with enhanced light extraction efficiency. <i>Chemical Engineering Science</i> , 2019, 195, 1-10.	3.8	46
61	Cellulose derived nitrogen and phosphorus co-doped carbon-based catalysts for catalytic reduction of p-nitrophenol. <i>Journal of Colloid and Interface Science</i> , 2020, 571, 100-108.	9.4	46
62	Hollow Multi-Shelled Structural TiO <sub>2</sub> with Multiple Spatial Confinement for Long-Life Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2019, 131, 9176-9180.	2.0	45
63	Scalable and controllable fabrication of CNTs improved yolk-shelled Si anodes with advanced in operando mechanical quantification. <i>Energy and Environmental Science</i> , 2021, 14, 3502-3509.	30.8	45
64	The pathogenesis of hypertension in autosomal dominant polycystic kidney disease. <i>Journal of Hypertension</i> , 1997, 15, 925-933.	0.5	44
65	General Synthesis of Multiple Cores@Multiple Shells Hollow Composites and Their Application to Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25719-25722.	13.8	44
66	Pulse Wave Reflection Is Amplified in Normotensive Patients with Autosomal-Dominant Polycystic Kidney Disease and Normal Renal Function. <i>American Journal of Nephrology</i> , 2007, 27, 240-246.	3.1	43
67	Citric acid-assisted ultrasmall CeO <sub>2</sub> nanoparticles for efficient photocatalytic degradation of glyphosate. <i>Chemical Engineering Journal</i> , 2021, 425, 130640.	12.7	43
68	High-gravity-assisted preparation of aqueous dispersions of monodisperse palladium nanocrystals as pseudohomogeneous catalyst for highly efficient nitrobenzene reduction. <i>Chemical Engineering Journal</i> , 2020, 382, 122883.	12.7	42
69	Small Structures Bring Big Things: Performance Control of Hollow Multishelled Structures. <i>Small Structures</i> , 2021, 2, 2000041.	12.0	42
70	Lattice Distortion in Hollow Multi-Shelled Structures for Efficient Visible-Light CO <sub>2</sub> Reduction with a SnS <sub>2</sub> /SnO <sub>2</sub> Junction. <i>Angewandte Chemie</i> , 2020, 132, 731-734.	2.0	41
71	Subgram-Scale Synthesis of Biomass Waste-Derived Fluorescent Carbon Dots in Subcritical Water for Bioimaging, Sensing, and Solid-State Patterning. <i>ACS Omega</i> , 2018, 3, 13211-13218.	3.5	40
72	Angiotensin II Infusion Alters Vascular Function in Mouse Resistance Vessels: Roles of O <sub>2</sub> and Endothelium. <i>Journal of Vascular Research</i> , 2006, 43, 109-119.	1.4	39

#	ARTICLE	IF	CITATIONS
73	When hollow multishelled structures (HoMSs) meet metal-organic frameworks (MOFs). <i>Chemical Science</i> , 2020, 11, 5359-5368.	7.4	39
74	Surface Functionalization of Carbon Dots with Polyhedral Oligomeric Silsesquioxane (POSS) for Multifunctional Applications. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500439.	3.7	38
75	Scalable Preparation of $Gd_2O_3:Yb^{3+}/Er^{3+}$ Upconversion Nanophosphors in a High-Gravity Rotating Packed Bed Reactor for Transparent Upconversion Luminescent Films. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 7977-7983.	3.7	38
76	Data-driven streamline stiffener path optimization (SSPO) for sparse stiffener layout design of non-uniform curved grid-stiffened composite (NCGC) structures. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 365, 113001.	6.6	38
77	Hollow Multishelled Structured $SrTiO_3$ with La/Rh Co-Doping for Enhanced Photocatalytic Water Splitting under Visible Light. <i>Small</i> , 2021, 17, e2005345.	10.0	38
78	3D Macroporous $Mo_xC@N$ with Incorporated Mo Vacancies as Anodes for High-Performance Lithium-Ion Batteries. <i>Small Methods</i> , 2018, 2, 1800040.	8.6	36
79	Sensitivity analysis for optimization design of non-uniform curved grid-stiffened composite (NCGC) structures. <i>Composite Structures</i> , 2018, 193, 224-236.	5.8	36
80	Tuning Hydrocarbon Pool Intermediates by the Acidity of SAPO-34 Catalysts for Improving Methanol-to-Olefins Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16867-16875.	6.7	34
81	Co-N-C in porous carbon with enhanced lithium ion storage properties. <i>Chemical Engineering Journal</i> , 2020, 389, 124377.	12.7	34
82	The properties of dental resin composites reinforced with silica colloidal nanoparticle clusters: Effects of heat treatment and filler composition. <i>Composites Part B: Engineering</i> , 2020, 186, 107791.	12.0	34
83	Contractility and Endothelium-Dependent Relaxation of Resistance Vessels in Polycystic Kidney Disease Rats. <i>Journal of Vascular Research</i> , 1999, 36, 502-509.	1.4	32
84	High-gravity-hydrolysis approach to transparent nanozirconia/silicone encapsulation materials of light emitting diodes devices for healthy lighting. <i>Nano Energy</i> , 2019, 62, 1-10.	16.0	32
85	Hollow multishelled structures revive high energy density batteries. <i>Nanoscale Horizons</i> , 2020, 5, 1287-1292.	8.0	31
86	Selective synthesis of triacetin from glycerol catalyzed by HZSM-5/MCM-41 micro/mesoporous molecular sieve. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 1073-1078.	3.5	30
87	Impaired Endothelial Function and Microvascular Asymmetrical Dimethylarginine in Angiotensin II-Infused Rats. <i>Hypertension</i> , 2010, 56, 950-955.	2.7	29
88	Sulfuric Acid Assisted Preparation of Red-Emitting Carbonized Polymer Dots and the Application of Bio-Imaging. <i>Nanoscale Research Letters</i> , 2018, 13, 272.	5.7	29
89	Nitrogen-Doped Graphene Foam as a Metal-Free Catalyst for Reduction Reactions under a High Gravity Field. <i>Engineering</i> , 2020, 6, 680-687.	6.7	29
90	A Hollow Multi-Shelled Structure for Charge Transport and Active Sites in Lithium-Ion Capacitors. <i>Angewandte Chemie</i> , 2020, 132, 4895-4898.	2.0	29

#	ARTICLE	IF	CITATIONS
91	PAF-derived nitrogen-doped 3D Carbon Materials for Efficient Energy Conversion and Storage. Scientific Reports, 2015, 5, 8307.	3.3	28
92	Efficient preparation of monodisperse CaCO <sub>3</sub> nanoparticles as overbased nanodetergents in a high-gravity rotating packed bed reactor. Powder Technology, 2018, 325, 405-411.	4.2	28
93	Super-strong and Intrinsically Fluorescent Silkworm Silk from Carbon Nanodots Feeding. Nano-Micro Letters, 2019, 11, 75.	27.0	28
94	The expression and activity of renal nitric oxide synthase and circulating nitric oxide in polycystic kidney disease rats. Apmis, 2004, 112, 358-368.	2.0	27
95	A parametric mapping method for curve shape optimization on 3D panel structures. International Journal for Numerical Methods in Engineering, 2010, 84, 485-504.	2.8	27
96	Pencil-like imaging spectrometer for bio-samples sensing. Biomedical Optics Express, 2017, 8, 5427.	2.9	27
97	NRF2 prevents hypertension, increased ADMA, microvascular oxidative stress, and dysfunction in mice with two weeks of ANG II infusion. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R399-R406.	1.8	27
98	Recent advances on metal-free graphene-based catalysts for the production of industrial chemicals. Frontiers of Chemical Science and Engineering, 2018, 12, 855-866.	4.4	27
99	Efficient diffusion of superdense lithium <i>via</i> atomic channels for dendrite-free lithium-metal batteries. Energy and Environmental Science, 2022, 15, 196-205.	30.8	27
100	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.	3.5	26
101	Microfluidic controllable synthesis of monodispersed sulfur nanoparticles with enhanced antibacterial activities. Chemical Engineering Journal, 2020, 398, 125293.	12.7	26
102	Long-lived Liquid Marbles for Green Applications. Advanced Functional Materials, 2021, 31, 2011198.	14.9	26
103	Heteroatoms in graphdiyne for catalytic and energy-related applications. Journal of Materials Chemistry A, 2021, 9, 19298-19316.	10.3	26
104	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.	12.7	25
105	Hollow multi-shell structured SnO <sub>2</sub> with enhanced performance for ultraviolet photodetectors. Inorganic Chemistry Frontiers, 2019, 6, 1968-1972.	6.0	23
106	Efficient Construction of SiO <sub>2</sub> Colloidal Nanoparticle Clusters as Novel Fillers by a Spray-Drying Process for Dental Composites. Industrial & Engineering Chemistry Research, 2019, 58, 18178-18186.	3.7	23
107	Graphene-encapsulated nickel-copper bimetallic nanoparticle catalysts for electrochemical reduction of CO <sub>2</sub> to CO. Chemical Communications, 2020, 56, 11275-11278.	4.1	23
108	Boosting hydrogen evolution reaction on few-layer graphdiyne by sp-N and B co-doping. APL Materials, 2021, 9, .	5.1	23

#	ARTICLE	IF	CITATIONS
109	Cobalt nanoparticles imbedded into zeolite crystals: A tailor-made catalyst for one-step synthesis of gasoline from syngas. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 21965-21978.	7.1	22
110	Process intensification for scalable synthesis of ytterbium and erbium co-doped sodium yttrium fluoride upconversion nanodispersions. <i>Powder Technology</i> , 2018, 340, 208-216.	4.2	22
111	Preparation of fluorescent waterborne polyurethane nanodispersion by high-gravity miniemulsion polymerization for multifunctional applications. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 136, 36-43.	3.6	22
112	Investigation of the Role of Genes Encoding Zinc Exporters <i>zntA</i> , <i>zitB</i> , and <i>fiuF</i> during <i>Salmonella Typhimurium</i> Infection. <i>Frontiers in Microbiology</i> , 2017, 8, 2656.	3.5	21
113	Synergistic catalysis between atomically dispersed Fe and a pyrrolic-N-C framework for CO <sub>2</sub> electroreduction. <i>Nanoscale Horizons</i> , 2019, 4, 1411-1415.	8.0	21
114	Composition-structure-function correlation of Ca/Zn/AlO <sub>x</sub> catalysts for the ketonization of acetic acid. <i>Catalysis Today</i> , 2020, 351, 58-67.	4.4	21
115	High-gravity-assisted green synthesis of rare-earth doped calcium molybdate colloidal nanophosphors. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 1744-1751.	3.5	21
116	A bispace parameterization method for shape optimization of thin-walled curved shell structures with openings. <i>International Journal for Numerical Methods in Engineering</i> , 2012, 90, 1598-1617.	2.8	20
117	Controllable Preparation of Monodisperse Silica Nanoparticles Using Internal Circulation Rotating Packed Bed for Dental Restorative Composite Resin. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 12809-12815.	3.7	20
118	Short-wave infrared emitted/excited fluorescence from carbon dots and preliminary applications in bioimaging. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1343-1350.	5.9	20
119	High-Gravity-Assisted Synthesis of Surfactant-Free Transparent Dispersions of Monodispersed MgAl-LDH Nanoparticles. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 2960-2967.	3.7	20
120	Thromboxane Prostanoid Receptors Enhance Contractions, Endothelin-1, and Oxidative Stress in Microvessels From Mice With Chronic Kidney Disease. <i>Hypertension</i> , 2015, 65, 1055-1063.	2.7	19
121	A green route to beclomethasone dipropionate nanoparticles via solvent anti-solvent precipitation by using subcritical water as the solvent. <i>Powder Technology</i> , 2017, 308, 200-205.	4.2	19
122	Design and efficient fabrication of micro-sized clusters of hydroxyapatite nanorods for dental resin composites. <i>Journal of Materials Science</i> , 2019, 54, 3878-3892.	3.7	19
123	Multi-stimuli-responsive liquid marbles stabilized by superhydrophobic luminescent carbon dots for miniature reactors. <i>Chemical Engineering Journal</i> , 2020, 391, 123478.	12.7	19
124	Green synthesis of highly dispersed ytterbium and thulium co-doped sodium yttrium fluoride microphosphors for in situ light upconversion from near-infrared to blue in animals. <i>Journal of Colloid and Interface Science</i> , 2018, 511, 243-250.	9.4	18
125	Preparation of 3D graphene/iron oxides aerogels based on high-gravity intensified reactive precipitation and their applications for photo-Fenton reaction. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018, 129, 77-83.	3.6	17
126	3D foam-structured nitrogen-doped graphene-Ni catalyst for highly efficient nitrobenzene reduction. <i>AIChE Journal</i> , 2018, 64, 1330-1338.	3.6	17



#	ARTICLE	IF	CITATIONS
127	Compressed energy transfer distance for remarkable enhancement of the luminescence of Nd <sup>3+</sup> -sensitized upconversion nanoparticles. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6597-6604.	5.5	17
128	Metal-free catalytic oxidation of benzylic alcohols for benzaldehyde. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 507-515.	3.7	17
129	Subcritical water processing for nanopharmaceuticals. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 140, 36-42.	3.6	17
130	sp-Hybridized nitrogen doped graphdiyne for high-performance Zn-air batteries. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7987-7992.	5.9	17
131	Microvascular Endothelial Dysfunction and Enhanced Thromboxane and Endothelial Contractility in Patients with HIV. <i>Journal of AIDS &amp; Clinical Research</i> , 2013, 04, 267.	0.5	17
132	A general material perturbation method using fixed mesh for stress sensitivity analysis and structural shape optimization. <i>Computers and Structures</i> , 2013, 129, 40-53.	4.4	16
133	Silver/graphene nanocomposites as catalysts for the reduction of 4-nitrophenol to 4-aminophenol: Materials preparation and reaction kinetics studies. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 1297-1304.	1.7	16
134	Synthesis of flower-shaped V <sub>2</sub> O <sub>5</sub> :Fe <sup>3+</sup> microarchitectures in a high-gravity rotating packed bed with enhanced electrochemical performance for lithium ion batteries. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017, 120, 201-206.	3.6	16
135	Endothelin-1-Induced Microvascular ROS and Contractility in Angiotensin-II-Infused Mice Depend on COX and TP Receptors. <i>Antioxidants</i> , 2019, 8, 193.	5.1	16
136	Controllable synthesis of transparent dispersions of monodisperse anatase-TiO <sub>2</sub> nanoparticles and nanorods. <i>Materials Chemistry and Physics</i> , 2019, 224, 100-106.	4.0	16
137	Hollow Multi-Shelled Structure with Metal-Organic Framework-Derived Coatings for Enhanced Lithium Storage. <i>Angewandte Chemie</i> , 2019, 131, 5320-5325.	2.0	15
138	The TH <sub>2</sub> -polarizing function of atopic interleukin 17 receptor positive dendritic cells up-regulated by lipopolysaccharide. <i>Annals of Allergy, Asthma and Immunology</i> , 2017, 118, 474-482.e1.	1.0	14
139	Facile Preparation of $\beta$ -Calcium Sulfate Hemihydrate with Low Aspect Ratio Using High-Gravity Reactive Precipitation Combined with a Salt Solution Method at Atmospheric Pressure. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 14053-14059.	3.7	14
140	Ultrafine clarithromycin nanoparticles via anti-solvent precipitation in subcritical water: Effect of operating parameters. <i>Powder Technology</i> , 2017, 305, 125-131.	4.2	14
141	Controllable Synthesis of Upconversion Nanophosphors toward Scale-Up Productions. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 2000129.	2.3	14
142	Metal (M = Ru, Pd and Co) embedded in C <sub>2</sub> N with enhanced lithium storage properties. <i>Materials Today Energy</i> , 2019, 14, 100359.	4.7	13
143	Super-strong and uniform fluorescent composite silk from trace AIE nanoparticle feeding. <i>Composites Communications</i> , 2020, 21, 100414.	6.3	13
144	Synthesis of Ultrasmall and Monodisperse Selenium-Doped Carbon Dots from Amino Acids for Free Radical Scavenging. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 16876-16883.	3.7	13

#	ARTICLE	IF	CITATIONS
145	Shape optimization of 3D curved slots and its application to the squirrel-cage elastic support design. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 1895-1900.	5.1	12
146	Sinus computed tomography predicts clinical response to corticosteroids in chronic rhinosinusitis with nasal polyps. <i>Clinical and Translational Allergy</i> , 2018, 8, 24.	3.2	12
147	Process Intensified Synthesis of Rare-Earth Doped $\text{P}^2\text{-NaYF}_4$ Nanorods toward Gram-Scale Production. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 22306-22314.	3.7	12
148	High-gravity-assisted emulsification for continuous preparation of waterborne polyurethane nanodispersion with high solids content. <i>Frontiers of Chemical Science and Engineering</i> , 2020, 14, 1087-1099.	4.4	12
149	Sub-kilogram-scale synthesis of highly dispersible zirconia nanoparticles for hybrid optical resins. <i>Applied Surface Science</i> , 2019, 491, 505-516.	6.1	11
150	Liquid Marbles in Liquid. <i>Small</i> , 2020, 16, e2002802.	10.0	11
151	Rapid ex vivo assessment of cancer prognosis by fluorescence imaging of nucleolus using nitrogen doped carbon dots. <i>Analytica Chimica Acta</i> , 2021, 1154, 338309.	5.4	11
152	A General Strategy for Efficiently Constructing Multifunctional Cluster Fillers Using a Three-Fluid Nozzle Spray Drying Technique for Dental Restoration. <i>Engineering</i> , 2022, 8, 138-147.	6.7	11
153	Buckling optimization of non-uniform curved grid-stiffened composite structures (NCGCs) with a cutout using conservativeness-relaxed globally convergent method of moving asymptotes. <i>Composite Structures</i> , 2022, 280, 114842.	5.8	11
154	Fabrication of a High-Performance and Reusable Planar Face Mask in Response to the COVID-19 Pandemic. <i>Engineering</i> , 2022, 9, 101-110.	6.7	11
155	Solubility of Bicalutamide, Megestrol Acetate, Prednisolone, Beclomethasone Dipropionate, and Clarithromycin in Subcritical Water at Different Temperatures from 383.15 to 443.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 1139-1145.	1.9	10
156	Nanonization of ciprofloxacin using subcritical water-ethanol mixture as the solvent: Solubility and precipitation parameters. <i>Powder Technology</i> , 2017, 321, 197-203.	4.2	10
157	The membrane transporter PotE is required for virulence in avian pathogenic <i>Escherichia coli</i> (APEC). <i>Veterinary Microbiology</i> , 2018, 216, 38-44.	1.9	10
158	An in Vitro and in Vivo Study of the Effect of Dexamethasone on Immunoinhibitory Function of Induced Pluripotent Stem Cell-Derived Mesenchymal Stem Cells. <i>Cell Transplantation</i> , 2018, 27, 1340-1351.	2.5	10
159	A Rutile $\text{TiO}_2$ Electron Transport Layer for the Enhancement of Charge Collection for Efficient Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2019, 131, 9514-9518.	2.0	10
160	Synthesis of Silver Sulfide Quantum Dots Via the Liquid-Liquid Interface Reaction in a Rotating Packed Bed Reactor. <i>Transactions of Tianjin University</i> , 2020, 26, 273-282.	6.4	10
161	Scalable synthesis of ytterbium and erbium codoped calcium molybdate phosphors as upconversion luminescent thermometer. <i>AIChE Journal</i> , 2021, 67, e17399.	3.6	10
162	Surfactant-Free Aqueous Dispersions of Shape- and Size-Controlled Zirconia Colloidal Nanocrystal Clusters with Enhanced Photocatalytic Activity. <i>Langmuir</i> , 2019, 35, 11755-11763.	3.5	9

#	ARTICLE	IF	CITATIONS
163	Fast hyperspectral imager driven by a low-cost and compact galvo-mirror. <i>Optik</i> , 2020, 224, 165716.	2.9	9
164	Surface Engineering of Titanium Dioxide Nanoparticles for Silicone-Based Transparent Hybrid Films with Ultrahigh Refractive Indexes. <i>Langmuir</i> , 2021, 37, 2707-2713.	3.5	9
165	Tuning the Doping of Europium in Gadolinium Borate Microparticles at Mesoscale Toward Efficient Production of Red Phosphors. <i>ACS Omega</i> , 2019, 4, 14497-14502.	3.5	8
166	Solubility, Solubility Modeling, and Antisolvent Precipitation of 1,3-Bis(9-carbazolyl)benzene in Organic Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 4349-4356.	1.9	8
167	In situ visualization and real-time tracking of emulsion and miniemulsion polymerization at the microscale via fluorescence imaging. <i>Chemical Engineering Science</i> , 2020, 211, 115288.	3.8	8
168	Controllable synthesis and evolution mechanism of monodispersed Sub-10 nm ZrO <sub>2</sub> nanocrystals. <i>Chemical Engineering Journal</i> , 2020, 394, 124843.	12.7	8
169	Investigation on Designing Meltblown Fibers for the Filtering Layer of a Mask by Cross-Scale Simulations. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 1962-1971.	3.7	8
170	Delicate Control on the Shell Structure of Hollow Spheres Enables Tunable Mass Transport in Water Splitting. <i>Angewandte Chemie</i> , 2021, 133, 7002-7007.	2.0	8
171	A virtual punching method for shape optimization of openings on curved panels using CAD-based Boolean operations. <i>CAD Computer Aided Design</i> , 2012, 44, 388-399.	2.7	7
172	Green catalytic engineering: A powerful tool for sustainable development in chemical industry. <i>Frontiers of Chemical Science and Engineering</i> , 2018, 12, 835-837.	4.4	7
173	Polyhedral oligomeric silsesquioxane-coated nanodiamonds for multifunctional applications. <i>Journal of Materials Science</i> , 2018, 53, 15915-15926.	3.7	7
174	Zirconia quantum dots for a nonvolatile resistive random access memory device. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2019, 20, 1698-1705.	2.6	7
175	High-gravity-assisted engineering of Ni <sub>2</sub> P/g-C <sub>3</sub> N <sub>4</sub> nanocomposites with enhanced photocatalytic performance. <i>Green Energy and Environment</i> , 2022, 7, 288-295.	8.7	7
176	A moving bounds strategy for the parameterization of geometric design variables in the simultaneous shape optimization of curved shell structures and openings. <i>Finite Elements in Analysis and Design</i> , 2016, 120, 80-91.	3.2	6
177	Efficient treatment of actual pharmaceutical wastewater by wet oxidation process in subcritical water apparatus. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 2056-2062.	1.7	6
178	Elevated expression of IL-17RB and ST2 on myeloid dendritic cells is associated with a Th <sub>2</sub> -skewed eosinophilic inflammation in nasal polyps. <i>Clinical and Translational Allergy</i> , 2018, 8, 50.	3.2	6
179	Omics technologies for kidney disease research. <i>Anatomical Record</i> , 2020, 303, 2729-2742.	1.4	6
180	CaF <sub>2</sub> /SiO <sub>2</sub> core-shell nanoparticles as novel fillers with reinforced mechanical properties and sustained fluoride ion release for dental resin composites. <i>Journal of Materials Science</i> , 2021, 56, 16648-16660.	3.7	6

#	ARTICLE	IF	CITATIONS
181	Preparation of transparent BaSO <sub>4</sub> nanodispersions by high-gravity reactive precipitation combined with surface modification for transparent X-ray shielding nanocomposite films. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 902-912.	4.4	6
182	Rapid construction of hierarchically porous metal-organic frameworks by a spray-drying strategy for enhanced tannic acid adsorption. <i>AIChE Journal</i> , 2022, 68, e17522.	3.6	6
183	ST6GAL1 polymorphisms influence susceptibility and progression of IgA nephropathy in a Chinese Han population. <i>Immunobiology</i> , 2020, 225, 151973.	1.9	5
184	Improved hygrothermal durability of flax/polypropylene composites after chemical treatments through a hybrid approach. <i>Cellulose</i> , 2021, 28, 11209-11229.	4.9	5
185	Synthesis of transparent dispersions of aluminium hydroxide nanoparticles. <i>Nanotechnology</i> , 2018, 29, 305605.	2.6	4
186	CFD modelling of gas flow characteristics for the gas-heating holder in environmental transmission electron microscope. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 777-784.	1.7	4
187	Upregulation of C/EBP Homologous Protein induced by ER Stress Mediates Epithelial to Myofibroblast Transformation in ADTKD-UMOD. <i>International Journal of Medical Sciences</i> , 2022, 19, 364-376.	2.5	4
188	Efficient preparation of nanoscale zero-valent iron by high gravity technology for enhanced Cr(VI) removal. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1451-1458.	1.7	3
189	Risk factors and outcomes of cardiovascular disease readmission within the first year after dialysis in peritoneal dialysis patients. <i>Renal Failure</i> , 2021, 43, 159-167.	2.1	3
190	Prevalence, risk factors and impact on outcomes of 30-day unexpected rehospitalization in incident peritoneal dialysis patients. <i>BMC Nephrology</i> , 2021, 22, 4.	1.8	3
191	Controllable and high-throughput preparation of microdroplet using an ultra-high speed rotating packed bed. <i>Chinese Journal of Chemical Engineering</i> , 2022, 48, 116-124.	3.5	3
192	Solubility and Solubility Modeling of 1,3,5-Tris(1-phenyl-1H-benzimidazol-2-yl)benzene toward Nanodispersions in Organic Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 2568-2575.	1.9	3
193	High-gravity-driven process intensified approach toward Mn <sup>2+</sup> doped Zn <sub>2</sub> GeO <sub>4</sub> nanophosphors for deep-ultraviolet detecting. <i>Optik</i> , 2021, 235, 166644.	2.9	3
194	Cost-Effective Strategy for the Synthesis of Air-Stable CH <sub>3</sub> NH <sub>3</sub> PbX <sub>3</sub> (X = Cl, Br, and I) Quantum Dots with Bright Emission. <i>Langmuir</i> , 2021, 37, 11520-11525.	3.5	3
195	General Synthesis of Multiple Cores@Multiple Shells Hollow Composites and Their Application to Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2021, 133, 25923-25926.	2.0	3
196	Hollow Nanostructures. <i>ChemNanoMat</i> , 2020, 6, 1419-1420.	2.8	2
197	Can NO <sub>x</sub> reduction by CO react over carbon-based single-atom catalysts at low temperatures? A theoretical study. <i>AIChE Journal</i> , 0, , e17425.	3.6	2
198	Comparison of subjective and objective assessment of glucocorticoid response in nasal polyps: a preliminary study. <i>Acta Oto-Laryngologica</i> , 2019, 139, 57-63.	0.9	1

#	ARTICLE	IF	CITATIONS
199	Preparation of Aqueous Nanodispersions of Disperse Dye by High-Gravity Technology and Spray Drying. <i>Chemical Engineering and Technology</i> , 2020, 43, 2118-2125.	1.5	1
200	A Highly Controlled Organic-Inorganic Encapsulation Nanocomposite with Versatile Features toward Wearable Device Applications. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100134.	3.9	1
201	Activation of Nrf2 in Mice Causes Early Microvascular Cyclooxygenase-Dependent Oxidative Stress and Enhanced Contractility. <i>Antioxidants</i> , 2022, 11, 845.	5.1	1
202	Aerodynamic Shape Optimization Design of the Swept Wing Based on the Kriging Surrogate Model. <i>Applied Mechanics and Materials</i> , 2013, 444-445, 1277-1282.	0.2	0
203	A new sample update strategy based on kriging. , 2014, , .		0
204	Inverse Design of Supercritical Wing Based on Enhanced RBF Neural Network. , 2015, , .		0
205	Preparation of ZnO Quantum Dots in a High-Gravity Rotating Packed Bed Reactor for Two-Photon Excited Fluorescence Imaging of Cells. , 2017, , .		0
206	A COMPACT PERPENDICULAR MICROSCOPY AND IMAGING SYSTEM FOR THE DETECTION OF FLUORESCENT SOLUTION FLOW. <i>Progress in Electromagnetics Research Letters</i> , 2017, 67, 75-79.	0.7	0
207	Innenteilbild: Delicate Control on the Shell Structure of Hollow Spheres Enables Tunable Mass Transport in Water Splitting ( <i>Angew. Chem.</i> 13/2021). <i>Angewandte Chemie</i> , 2021, 133, 6906-6906.	2.0	0
208	Extracellular superoxide dismutase (EC-SOD) modulates endothelin 1 contractions in resistance vessels: roles of endothelium, ET receptor, ROS and TP receptor. <i>FASEB Journal</i> , 2006, 20, A311.	0.5	0
209	Thromboxane-prostaglandin H <sub>2</sub> receptors mediate blunted nitric oxide production in Angiotensin II-preconditioned endothelial cells. <i>FASEB Journal</i> , 2006, 20, A291.	0.5	0
210	Superoxide anion is generated selectively by endothelin-1 in resistance vessels and enhances their contractility. <i>FASEB Journal</i> , 2007, 21, A444.	0.5	0
211	Impaired endothelial relaxation and enhanced endothelial contraction and microvascular ADMA in angiotensin II infused rats: effects of tempol. <i>FASEB Journal</i> , 2010, 24, lb552.	0.5	0