Lei Fan

List of Publications by Year
in descending order

56 papers	2,929 citations	201674 27 h-index	168389 53 g-index
58 all docs	58 docs citations	58 times ranked	3674 citing authors

#	Article	IF	Citations
1	N-hydroxyphthalimide anchored on hexagonal boron nitride as a metal-free heterogeneous catalyst for deep oxidative desulfurization. Petroleum Science, 2022, 19, 1382-1389.	4.9	6
2	Gold nanorod@void@polypyrrole yolk@shell nanostructures: Synchronous regulation of photothermal and drug delivery performance for synergistic cancer therapy. Journal of Colloid and Interface Science, 2022, 610, 89-97.	9.4	10
3	Reverse intratumor bacteria-induced gemcitabine resistance with carbon nanozymes for enhanced tumor catalytic-chemo therapy. Nano Today, 2022, 43, 101395.	11.9	13
4	Lubrication performance of MXene/Brij30/H2O composite lamellar liquid crystal system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 641, 128487.	4.7	4
5	Brij 30 Induced Transition of Rodlike Micelles to Wormlike Micelles and Gels in the Imidazole Ionic Liquid Surfactants: The Alkyl Chain Length Effect. Langmuir, 2022, 38, 3051-3063.	3.5	4
6	Supramolecular Coreâ€“Shell Nanoassemblies with Tumor Microenvironmentâ€Triggered Size and Structure Switch for Improved Photothermal Therapy. Small, 2022, 18, e2200588.	10.0	8
7	Staphylococcus aureus-targeting peptide/surfactant assemblies for antibacterial therapy. Colloids and Surfaces B: Biointerfaces, 2022, 214, 112444.	5.0	5
8	Heteroatom Bridging Strategy in Carbon-Based Catalysts for Enhanced Oxidative Desulfurization Performance. Inorganic Chemistry, 2022, 61, 633-642.	4.0	8
9	Metal ions/nucleotide coordinated nanoparticles comprehensively suppress tumor by synergizing ferroptosis with energy metabolism interference. Journal of Nanobiotechnology, 2022, 20, 199.	9.1	26
10	Construction of core-in-shell Au@N-HCNs nanozymes for tumor therapy. Colloids and Surfaces B: Biointerfaces, 2022, 217, 112671.	5.0	10
11	Ultrasmall FeS₂ Nanoparticlesâ€Decorated Carbon Spheres with Laserâ€Mediated Ferrous Ion Release for Antibacterial Therapy. Small, 2021, 17, e2005473.	10.0	43
12	Artesunate-loaded poly (lactic-co-glycolic acid)/polydopamine-manganese oxides nanoparticles as an oxidase mimic for tumor chemo-catalytic therapy. International Journal of Biological Macromolecules, 2021, 181, 72-81.	7.5	11
13	Lubrication and Dynamically Controlled Drug Release Properties of Tween 85/Tween 80/H₂O Lamellar Liquid Crystals. Langmuir, 2021, 37, 7067-7077.	3.5	10
14	Multi-Yolkâ€“Shell MnO@Carbon Nanopomegranates with Internal Buffer Space as a Lithium Ion Battery Anode. Langmuir, 2021, 37, 2195-2204.	3.5	22
15	The transition of rodlike micelles to wormlike micelles of an ionic liquid surfactant induced by different additives and the template-directed synthesis of calcium oxalate monohydrate to mimic the formation of urinary stones. Colloid and Polymer Science, 2021, 299, 1991-2002.	2.1	1
16	Using a visible light-triggered pH switch to activate nanozymes for antibacterial treatment. RSC Advances, 2020, 10, 909-913.	3.6	22
17	Photolysis of methicillin-resistant Staphylococcus aureus using Cu-doped carbon spheres. Biomaterials Science, 2020, 8, 6225-6234.	5.4	11
18	Ultrasound-assisted Li+/Na+ co-intercalated exfoliation of graphite into few-layer graphene. Ultrasonics Sonochemistry, 2020, 66, 105108.	8.2	11

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19	High-efficiency platinumâ€“carbon nanozyme for photodynamic and catalytic synergistic tumor therapy. Chemical Engineering Journal, 2020, 399, 125797.	12.7	35
20	Improved ordering and lubricating properties using graphene in lamellar liquid crystals of Triton X-100/C_nmimNTf₂/H₂O. Soft Matter, 2020, 16, 2031-2038.	2.7	8
21	One-Pot Synthesis of Fe/N-Doped Hollow Carbon Nanospheres with Multienzyme Mimic Activities against Inflammation. ACS Applied Bio Materials, 2020, 3, 1147-1157.	4.6	39
22	Facile and scalable synthesis of nitrogen-doped ordered mesoporous carbon for high performance supercapacitors. Korean Journal of Chemical Engineering, 2020, 37, 166-175.	2.7	31
23	Light-enhanced sponge-like carbon nanozyme used for synergetic antibacterial therapy. Biomaterials Science, 2019, 7, 4131-4141.	5.4	74
24	Surfactant-mediated preparation and tribological behaviors of few-layer ZnBDC. Materials Letters, 2019, 257, 126757.	2.6	12
25	Copper/Carbon Hybrid Nanozyme: Tuning Catalytic Activity by the Copper State for Antibacterial Therapy. Nano Letters, 2019, 19, 7645-7654.	9.1	257
26	Mn₃O₄ microspheres as an oxidase mimic for rapid detection of glutathione. RSC Advances, 2019, 9, 16509-16514.	3.6	39
27	Pomegranate-like multicoreâ€“shell Mn₃O₄ encapsulated mesoporous N-doped carbon nanospheres with an internal void space for high-performance lithium-ion batteries. Chemical Communications, 2019, 55, 8064-8067.	4.1	33
28	Sn-encapsulated N-doped porous carbon fibers for enhancing lithium-ion battery performance. RSC Advances, 2019, 9, 8753-8758.	3.6	20
29	Microstructure and Tribological Properties of Lamellar Liquid Crystals Formed by Ionic Liquids as Cosurfactants. Langmuir, 2019, 35, 4037-4045.	3.5	13
30	Immobilizing Highly Catalytically Molybdenum Oxide Nanoparticles on Graphene-Analogous BN: Stable Heterogeneous Catalysts with Enhanced Aerobic Oxidative Desulfurization Performance. Industrial & Engineering Chemistry Research, 2019, 58, 863-871.	3.7	60
31	Au-PLGA Hybrid Nanoparticles with Catalase-Mimicking and near-Infrared Photothermal Activities for Photoacoustic Imaging-Guided Cancer Therapy. ACS Biomaterials Science and Engineering, 2018, 4, 1083-1091.	5.2	33
32	Tumor Catalyticâ€“Photothermal Therapy with Yolkâ€“Shell Gold@Carbon Nanozymes. ACS Applied Materials & Interfaces, 2018, 10, 4502-4511.	8.0	130
33	In vivo guiding nitrogen-doped carbon nanozyme for tumor catalytic therapy. Nature Communications, 2018, 9, 1440.	12.8	759
34	Improvement in lubricating properties of TritonX-100/n-C 10 H 21 OH/H 2 O lamellar liquid crystals with the amphiphilic ionic liquid 1-alkyl-3-methylimidazolium hexafluorophosphate. Journal of Colloid and Interface Science, 2018, 522, 200-207.	9.4	14
35	Controllable Synthesis of Gold Nanorod/Conducting Polymer Core/Shell Hybrids Toward in Vitro and in Vivo near-Infrared Photothermal Therapy. ACS Applied Materials & Interfaces, 2018, 10, 12323-12330.	8.0	53
36	Gold Nanorods/Polypyrrole/m-SiO₂ Core/Shell Hybrids as Drug Nanocarriers for Efficient Chemo-Photothermal Therapy. Langmuir, 2018, 34, 14661-14669.	3.5	43

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37	Aloe-Emodin/Carbon Nanoparticle Hybrid Gels with Light-Induced and Long-Term Antibacterial Activity. ACS Biomaterials Science and Engineering, 2018, 4, 4391-4400.	5.2	44
38	Decavanadates anchored into micropores of graphene-like boron nitride: Efficient heterogeneous catalysts for aerobic oxidative desulfurization. Fuel, 2018, 230, 104-112.	6.4	97
39	Hybrid shells of MnO2 nanosheets encapsulated by N-doped carbon towards nonprecious oxygen reduction reaction catalysts. Journal of Colloid and Interface Science, 2018, 527, 241-250.	9.4	35
40	Doped Nanocarbons Derived from Conducting Polymers toward ORR Electrocatalysts. Advanced Sustainable Systems, 2018, 2, 1800033.	5.3	5
41	Mechanistic Insight into the Light-Irradiated Carbon Capsules as an Antibacterial Agent. ACS Applied Materials & Interfaces, 2018, 10, 25026-25036.	8.0	51
42	Mn²⁺-coordinated PDA@DOX/PLGA nanoparticles as a smart theranostic agent for synergistic chemo-photothermal tumor therapy. International Journal of Nanomedicine, 2017, Volume 12, 3331-3345.	6.7	78
43	Data of fluorescence, UVâ€“vis absorption and FTIR spectra for the study of interaction between two food colourants and BSA. Data in Brief, 2016, 8, 755-783.	1.0	6
44	Nitrogen-enriched meso-macroporous carbon fiber network as a binder-free flexible electrode for supercapacitors. Carbon, 2016, 107, 629-637.	10.3	130
45	Interactions of two food colourants with BSA: Analysis by Debye-HÃ¼ckel theory. Food Chemistry, 2016, 211, 198-205.	8.2	5
46	O/W interface-assisted hydrothermal synthesis of NiCo2S4 hollow spheres for high-performance supercapacitors. Colloid and Polymer Science, 2016, 294, 1325-1332.	2.1	16
47	In-situ controllable growth of Î±-Ni(OH)2 with different morphologies on reduced graphene oxide sheets and capacitive performance for supercapacitors. Colloid and Polymer Science, 2016, 294, 681-689.	2.1	30
48	Mesoporous Hybrid Shells of Carbonized Polyaniline/Mn₂O₃ as Non-Precious Efficient Oxygen Reduction Reaction Catalyst. ACS Applied Materials & Interfaces, 2016, 8, 6040-6050.	8.0	103
49	Template-free synthesis of Ni₇S₆hollow spheres with mesoporous shells for high performance supercapacitors. CrystEngComm, 2015, 17, 1952-1958.	2.6	69
50	Au nanoparticle-coated, PLGA-based hybrid capsules for combined ultrasound imaging and HIFU therapy. Journal of Materials Chemistry B, 2015, 3, 4213-4220.	5.8	28
51	Pd@aluminium foil: a highly efficient and environment-friendly â€œtea bagâ€•style catalyst with high TON. Catalysis Science and Technology, 2012, 2, 1136.	4.1	23
52	Carbon-nanoparticles encapsulated in hollow nickel oxides for supercapacitor application. Journal of Materials Chemistry, 2012, 22, 16376.	6.7	154
53	Study on the binding of puerarin to bovine serum albumin by isothermal titration calorimetry and spectroscopic approaches. Journal of Thermal Analysis and Calorimetry, 2010, 102, 217-223.	3.6	21
54	Growth of Dendritic Silver Crystals in CTAB/SDBS Mixed-Surfactant Solutions. Crystal Growth and Design, 2008, 8, 2150-2156.	3.0	94

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55	Fabrication of Novel CdIn₂S₄ Hollow Spheres via a Facile Hydrothermal Process. Journal of Physical Chemistry C, 2008, 112, 10700-10706.	3.1	57
56	Fabrication of N-hollow carbon nanospheres@Fe7S8 and their ion-release-based antibacterial properties. Journal of Materials Science, 0, , 1.	3.7	0