Yin Fang

List of Publications by Year
in descending order

		186265	243625
44	3,825	28	44
papers	citations	h-index	g-index

44	44	44	6398
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dissecting Biological and Synthetic Softâ€“Hard Interfaces for Tissue-Like Systems. Chemical Reviews, 2022, 122, 5233-5276.	47.7	32
2	Micelle-enabled self-assembly of porous and monolithic carbon membranes for bioelectronic interfaces. Nature Nanotechnology, 2021, 16, 206-213.	31.5	30
3	Three-dimensional macroporous photonic crystal enhanced photon collection for quantum dot-based luminescent solar concentrator. Nano Energy, 2020, 67, 104217.	16.0	29
4	Recent advances in bioelectronics chemistry. Chemical Society Reviews, 2020, 49, 7978-8035.	38.1	54
5	Controlling stem cell fate using cold atmospheric plasma. Stem Cell Research and Therapy, 2020, 11, 368.	5.5	23
6	Structured silicon for revealing transient and integrated signal transductions in microbial systems. Science Advances, 2020, 6, eaay2760.	10.3	14
7	Dynamic and Programmable Cellular-Scale Granules Enable Tissue-like Materials. Matter, 2020, 2, 948-964.	10.0	30
8	Softâ€“Hard Composites for Bioelectric Interfaces. Trends in Chemistry, 2020, 2, 519-534.	8.5	21
9	Curving neural nanobioelectronics. Nature Nanotechnology, 2019, 14, 733-735.	31.5	10
10	Enhanced Electrochemical and Thermal Transport Properties of Graphene/MoS₂ Heterostructures for Energy Storage: Insights from Multiscale Modeling. ACS Applied Materials & Interfaces, 2018, 10, 14614-14621.	8.0	56
11	Rational design of silicon structures for optically controlled multiscale biointerfaces. Nature Biomedical Engineering, 2018, 2, 508-521.	22.5	183
12	Unconventional Shape Memory Mechanisms of Nanoporous Polymer Photonic Crystals: Implications for Nano-Optical Coatings and Devices. ACS Applied Nano Materials, 2018, 1, 6081-6090.	5.0	16
13	Texturing Silicon Nanowires for Highly Localized Optical Modulation of Cellular Dynamics. Nano Letters, 2018, 18, 4487-4492.	9.1	45
14	Controlling the Geometries of Si Nanowires through Tunable Nanosphere Lithography. ACS Applied Materials & Interfaces, 2017, 9, 7368-7375.	8.0	13
15	Reconfigurable Photonic Crystals Enabled by Multistimuli-Responsive Shape Memory Polymers Possessing Room Temperature Shape Processability. ACS Applied Materials & Interfaces, 2017, 9, 5457-5467.	8.0	59
16	Pressure-Enabled Synthesis of Hetero-Dimers and Hetero-Rods through Intraparticle Coalescence and Interparticle Fusion of Quantum-Dot-Au Satellite Nanocrystals. Journal of the American Chemical Society, 2017, 139, 8408-8411.	13.7	62
17	Alloy-assisted deposition of three-dimensional arrays of atomic gold catalyst for crystal growth studies. Nature Communications, 2017, 8, 2014.	12.8	21
18	Superhydrophobic hierarchical arrays fabricated by a scalable colloidal lithography approach. Journal of Colloid and Interface Science, 2017, 487, 484-492.	9.4	52

#	Article	IF	Citations
19	Synthesis of 2Dâ€Mesoporousâ€Carbon/MoS₂ Heterostructures with Wellâ€Defined Interfaces for Highâ€Performance Lithiumâ€Ion Batteries. Advanced Materials, 2016, 28, 9385-9390.	21.0	253
20	Outstanding surface plasmon resonance performance enabled by templated oxide gratings. Physical Chemistry Chemical Physics, 2016, 18, 26078-26087.	2.8	26
21	Levelling the playing field: screening for synergistic effects in coalesced bimetallic nanoparticles. Nanoscale, 2016, 8, 3447-3453.	5.6	11
22	Fabricating vertically aligned sub-20 nm Si nanowire arrays by chemical etching and thermal oxidation. Nanotechnology, 2016, 27, 165303.	2.6	15
23	Photonic Crystals: Optically Bistable Macroporous Photonic Crystals Enabled by Thermoresponsive Shape Memory Polymers (Advanced Optical Materials 11/2015). Advanced Optical Materials, 2015, 3, 1508-1508.	7.3	1
24	Optically Bistable Macroporous Photonic Crystals Enabled by Thermoresponsive Shape Memory Polymers. Advanced Optical Materials, 2015, 3, 1509-1516.	7.3	48
25	Chromogenic Photonic Crystals Enabled by Novel Vaporâ€Responsive Shapeâ€Memory Polymers. Advanced Materials, 2015, 27, 3696-3704.	21.0	155
26	Growth of Singleâ€Layered Twoâ€Dimensional Mesoporous Polymer/Carbon Films by Selfâ€Assembly of Monomicelles at the Interfaces of Various Substrates. Angewandte Chemie - International Edition, 2015, 54, 8425-8429.	13.8	45
27	Interface Tension-Induced Synthesis of Monodispersed Mesoporous Carbon Hemispheres. Journal of the American Chemical Society, 2015, 137, 2808-2811.	13.7	113
28	Reconfigurable photonic crystals enabled by pressure-responsive shape-memory polymers. Nature Communications, 2015, 6, 7416.	12.8	238
29	Direct Writing of Three-Dimensional Macroporous Photonic Crystals on Pressure-Responsive Shape Memory Polymers. ACS Applied Materials & Interfaces, 2015, 7, 23650-23659.	8.0	64
30	In-Situ Confined Growth of Monodisperse Pt Nanoparticle@Graphene Nanobox Composites as Electrocatalytic Nanoreactors. Small, 2015, 11, 1003-1010.	10.0	24
31	Hierarchical mesoporous/microporous carbon with graphitized frameworks for high-performance lithium-ion batteries. APL Materials, 2014, 2, 113302.	5.1	17
32	Dualâ€Pore Mesoporous Carbon@Silica Composite Coreâ€“Shell Nanospheres for Multidrug Delivery. Angewandte Chemie - International Edition, 2014, 53, 5366-5370.	13.8	170
33	Oriented Mesoporous Nanopyramids as Versatile Plasmon-Enhanced Interfaces. Journal of the American Chemical Society, 2014, 136, 6822-6825.	13.7	62
34	Self-assembled self-cleaning broadband anti-reflection coatings. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 439, 84-100.	4.7	92
35	Self-assembled biomimetic superhydrophobic hierarchical arrays. Journal of Colloid and Interface Science, 2013, 405, 51-57.	9.4	44
36	Scalable bottom-up fabrication of colloidal photonic crystals and periodic plasmonic nanostructures. Journal of Materials Chemistry C, 2013, 1, 6031.	5.5	50

#	Article	IF	Citations
37	Siteâ€Specific Carbon Deposition for Hierarchically Ordered Core/Shellâ€Structured Graphitic Carbon with Remarkable Electrochemical Performance. ChemSusChem, 2013, 6, 1938-1944.	6.8	15
38	Two-Dimensional Mesoporous Carbon Nanosheets and Their Derived Graphene Nanosheets: Synthesis and Efficient Lithium Ion Storage. Journal of the American Chemical Society, 2013, 135, 1524-1530.	13.7	591
39	Generalized Fabrication of Monolayer Nonclose-Packed Colloidal Crystals with Tunable Lattice Spacing. Langmuir, 2013, 29, 7674-7681.	3.5	21
40	Oneâ€Step Hydrothermal Synthesis of Carboxylâ€Functionalized Upconversion Phosphors for Bioapplications. Chemistry - A European Journal, 2012, 18, 13642-13650.	3.3	61
41	Core-shell Ag@SiO2@mSiO2 mesoporous nanocarriers for metal-enhanced fluorescence. Chemical Communications, 2011, 47, 11618.	4.1	164
42	An Aqueous Emulsion Route to Synthesize Mesoporous Carbon Vesicles and Their Nanocomposites. Advanced Materials, 2010, 22, 833-837.	21.0	117
43	A Lowâ€Concentration Hydrothermal Synthesis of Biocompatible Ordered Mesoporous Carbon Nanospheres with Tunable and Uniform Size. Angewandte Chemie - International Edition, 2010, 49, 7987-7991.	13.8	608
44	Growth of Single-Crystal Mesoporous Carbons with Im3Ì…m Symmetry. Chemistry of Materials, 2010, 22, 4828-4833.	6.7	70