Hai Jun Yang

List of Publications by Year
in descending order

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Version: 2024-02-01

43 papers	3,645 citations	516561 16 h-index	276775 41 g-index
44 all docs	44 docs citations	44 times ranked	6482 citing authors

#	Article	IF	Citations
1	Reduction of graphene oxide via<scp>l</scp>-ascorbic acid. Chemical Communications, 2010, 46, 1112-1114.	2.2	2,098
2	Graphene Oxide as a Matrix for Enzyme Immobilization. Langmuir, 2010, 26, 6083-6085.	1.6	498
3	Reducing Graphene Oxide via Hydroxylamine: A Simple and Efficient Route to Graphene. Journal of Physical Chemistry C, 2011, 115, 11957-11961.	1.5	304
4	Effects of Surfactants on the Formation and the Stability of Interfacial Nanobubbles. Langmuir, 2012, 28, 10471-10477.	1.6	77
5	Analysis of anion exchange membrane fouling mechanism caused by anion polyacrylamide in electrodialysis. Desalination, 2014, 346, 46-53.	4.0	74
6	Porous cellulose diacetate-SiO 2 composite coating on polyethylene separator for high-performance lithium-ion battery. Carbohydrate Polymers, 2016, 147, 517-524.	5.1	73
7	From transient nanodroplets to permanent nanolenses. Soft Matter, 2012, 8, 4314.	1.2	52
8	Molecular Mechanisms of Ultrafiltration Membrane Fouling in Polymer-Flooding Wastewater Treatment: Role of Ions in Polymeric Fouling. Environmental Science & Technology, 2016, 50, 1393-1402.	4.6	52
9	Preparation and application of porous nitrogen-doped graphene obtained by co-pyrolysis of lignosulfonate and graphene oxide. Bioresource Technology, 2015, 176, 106-111.	4.8	51
10	An infrared spectroscopy study of PES PVP blend and PES-g-PVP copolymer. Polymer Testing, 2017, 59, 212-219.	2.3	39
11	Chemical cleaning of ultrafiltration membranes for polymer-flooding wastewater treatment: Efficiency and molecular mechanisms. Journal of Membrane Science, 2018, 545, 348-357.	4.1	32
12	pH and thermal-dependent ultrafiltration membranes prepared from poly (methacrylic acid) grafted onto polyethersulfone synthesized by simultaneous irradiation in homogenous phase. Journal of Membrane Science, 2017, 543, 335-341.	4.1	24
13	Surfactant-mediated formation of polymeric microlenses from interfacial microdroplets. Soft Matter, 2014, 10, 957-964.	1.2	22
14	Effects of Alkaline Cleaning on the Conversion and Transformation of Functional Groups on Ion-Exchange Membranes in Polymer-Flooding Wastewater Treatment: Desalination Performance, Fouling Behavior, and Mechanism. Environmental Science & Technology, 2019, 53, 14430-14440.	4.6	20
15	Hierarchical Biocarbons with Controlled Micropores and Mesopores Derived from Kapok Fruit Peels for High-Performance Supercapacitor Electrodes. ACS Omega, 2019, 4, 5991-5999.	1.6	19
16	Chemical cleaning reagent of sodium hypochlorite eroding polyvinylidene fluoride ultrafiltration membranes: Aging pathway, performance decay and molecular mechanism. Journal of Membrane Science, 2021, 625, 119141.	4.1	17
17	Improved dye-sensitized solar cells by composite ionic liquid electrolyte incorporating layered titanium phosphate. Solar Energy, 2010, 84, 854-859.	2.9	16
18	Assembling of graphene oxide in an isolated dissolving droplet. Soft Matter, 2012, 8, 11249.	1.2	15

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19	Antifouling Membranes Prepared from Polyethersulfone Grafted with Poly(ethylene glycol) Methacrylate by Radiation-Induced Copolymerization in Homogeneous Solution. ACS Omega, 2020, 5, 27094-27102.	1.6	15
20	Uniform, Anticorrosive, and Antiabrasive Coatings on Metallic Surfaces for Cationâ€“Metal and Cationâ^'Ï€ Interactions. ACS Applied Materials & Interfaces, 2020, 12, 38638-38646.	4.0	13
21	Controlling the Coffee Ring Effect on Graphene and Polymer by Cations*. Chinese Physics Letters, 2020, 37, 028103.	1.3	13
22	Anti-fouling and protein separation of PVDF-g-PMAA@MnO2 filtration membrane with in-situ grown MnO2 nanorods. Chemosphere, 2022, 286, 131756.	4.2	13
23	pH-sensitive microfiltration membrane prepared from polyethersulfone grafted with poly(itaconic) Tj ETQq1 1 0.784314 rgBT /Overlock 2018, 78, 602-610.	1.2	11
24	Unexpected large impact of small charges on surface frictions with similar wetting properties. Communications Chemistry, 2020, 3, .	2.0	11
25	Fabrication and application of high quality poly(dimethylsiloxane) stamps by gamma ray irradiation. Journal of Materials Chemistry, 2011, 21, 4279.	6.7	10
26	Controlling the assembly of graphene oxide by an electrolyte-assisted approach. Nanoscale, 2013, 5, 6458.	2.8	10
27	Effect of water molecules on nanoscale wetting behaviour of molecular ethanol on hydroxylated SiO₂ substrate. Molecular Simulation, 2017, 43, 1377-1384.	0.9	9
28	INVESTIGATION ON THE MORPHOLOGY OF PRECIPITATED CHEMICALS FROM TE BUFFER ON SOLID SUBSTRATES. Surface Review and Letters, 2007, 14, 1121-1128.	0.5	6
29	Homogenous Grafted Poly(acrylic acid) Brushes on Ultra-flat Polydimethlysiloxane (PDMS) Films by UV Irradiation. Nano Biomedicine and Engineering, 2011, 3, .	0.3	6
30	Dissolution of Sessile Microdroplets of Electrolyte and Graphene Oxide Solutions in an Ouzo System. Langmuir, 2016, 32, 10296-10304.	1.6	6
31	Promoting Effect of Layered Titanium Phosphate on the Electrochemical and Photovoltaic Performance of Dye-Sensitized Solar Cells. Nanoscale Research Letters, 2010, 5, 1313-1319.	3.1	5
32	Force mode dip-pen nanolithography on soft polydimethylsiloxane surface. Applied Physics Letters, 2011, 98, 233105.	1.5	5
33	Polyaniline-modified renewable biocarbon composites as an efficient hybrid electrode for supercapacitors. Ionics, 2019, 25, 5459-5472.	1.2	5
34	Glycerol facilitates the disaggregation of recombinant adeno-associated virus serotype 2 on mica surface. Colloids and Surfaces B: Biointerfaces, 2007, 60, 264-267.	2.5	4
35	ORGANIC SOLVENT-ASSISTED TRANSFER PRINTING ON HYDROPHOBIC POLYMER SUBSTRATE WITH HIGH EFFICIENCY. Surface Review and Letters, 2008, 15, 763-768.	0.5	4
36	Surface modification of ultraâ€flat polydimethylsiloxane by UVâ€grafted poly(acrylic acid) brushes. Journal of Applied Polymer Science, 2012, 123, 2266-2271.	1.3	4

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37	Dahliaâ€like Carbon Nanohorns Decorated Graphene/Polyaniline Nanocomposite and Its Derived Nitrogenâ€doped Carbon for Highâ€performance Supercapacitor. ChemistrySelect, 2019, 4, 7270-7277.	0.7	4
38	Study of the Structure and Electrical Properties of Chemically Reduced Graphene/Polyvinyl Alcohol Composite Films. Journal of Nanoscience and Nanotechnology, 2013, 13, 1752-1758.	0.9	3
39	Tailoring graphene oxide assemblies by pinning on the contact line of a dissolving microdroplet. Soft Matter, 2015, 11, 8479-8483.	1.2	3
40	DISPERSION AND FIXATION OF ADENO-ASSOCIATED VIRUS WITH GLUTARALDEHYDE FOR AFM STUDIES. Surface Review and Letters, 2008, 15, 595-598.	0.5	1
41	VISUALIZATION EX SITU OF SINGLE DNA MOLECULES INCUBATION: A FIRST STEP FOR QUANTITATIVE ANALYSIS ON MULTI-SITE DEGRADATION AND ENZYMATIC KINETICS. Surface Review and Letters, 2009, 16, 79-85.	0.5	1
42	Mechanism of force mode dip-pen nanolithography. Journal of Applied Physics, 2014, 115, 174314.	1.1	0
43	Force Drift in Force Mode Dip-Pen Nanolithography. Journal of Nanoscience and Nanotechnology, 2016, 16, 7030-7036.	0.9	0