

Lingxiao

List of Publications by Year in descending order

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all docs

43
docs citations

43
times ranked

1162
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#	ARTICLE	IF	CITATIONS
1	Rational Design of Antifreezing Organohydrogel Electrolytes for Flexible Supercapacitors. ACS Applied Energy Materials, 2020, 3, 1944-1951.	5.1	85
2	Cubic C ₉₆ : a novel carbon allotrope with a porous nanocube network. Journal of Materials Chemistry A, 2015, 3, 10448-10452.	10.3	47
3	Development of highly permeable and antifouling ultrafiltration membranes based on the synergistic effect of carboxylated polysulfone and bio-inspired co-deposition modified hydroxyapatite nanotubes. Journal of Colloid and Interface Science, 2020, 572, 48-61.	9.4	41
4	Silver-coated elevated bowtie nanoantenna arrays: Improving the near-field enhancement of gap cavities for highly active surface-enhanced Raman scattering. Nano Research, 2015, 8, 3715-3724.	10.4	40
5	Fabrication of flexible superhydrophobic biomimic surfaces. Soft Matter, 2010, 6, 1438.	2.7	39
6	A silver nanoislands on silica spheres platform: enriching trace amounts of analytes for ultrasensitive and reproducible SERS detection. Nanoscale, 2017, 9, 16749-16754.	5.6	36
7	High performance electrospun Li ⁺ -functionalized sulfonated poly(ether ether ketone)/PVA based nanocomposite gel polymer electrolyte for solid-state electric double layer capacitors. Journal of Colloid and Interface Science, 2019, 534, 672-682.	9.4	33
8	Ag nanoparticles/ZnO nanorods for highly sensitive detection of small molecules with laser desorption/ionization mass spectrometry. Talanta, 2019, 192, 79-85.	5.5	30
9	Control over Patterning of Organic Semiconductors: Step-Edge-Induced Area-Selective Growth. Advanced Materials, 2009, 21, 4721-4725.	21.0	25
10	Droplet-Confined Electroless Deposition of Silver Nanoparticles on Ordered Superhydrophobic Structures for High Uniform SERS Measurements. ACS Applied Materials & Interfaces, 2017, 9, 21548-21553.	8.0	25
11	Highly Strong and Tough Double-Crosslinked Hydrogel Electrolyte for Flexible Supercapacitors. ChemElectroChem, 2020, 7, 1007-1015.	3.4	25
12	Electrically Conductive Shell-Protective Layer Capping on the Silicon Surface as the Anode Material for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 40034-40042.	8.0	24
13	A highly compressible hydrogel electrolyte for flexible Zn-MnO ₂ battery. Journal of Colloid and Interface Science, 2022, 608, 1619-1626.	9.4	24
14	Investigation of Surface Morphology on Ion Desorption in SALDI-MS on Tailored Silicon Nanopillar Arrays. Journal of Physical Chemistry C, 2020, 124, 2450-2457.	3.1	21
15	Patterning Layered Polymeric Multilayer Films by Room-Temperature Nanoimprint Lithography. Macromolecular Rapid Communications, 2006, 27, 505-510.	3.9	20
16	Enhancing reproducibility of SALDI MS detection by concentrating analytes within laser spot. Talanta, 2018, 179, 583-587.	5.5	20
17	Improving the sensing performance of double gold gratings by oblique incident light. Nanoscale, 2015, 7, 13026-13032.	5.6	19
18	Superhydrophobic Glass Substrates Coated with Fluorosilane-Coated Silica Nanoparticles and Silver Nanoparticles for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. ACS Applied Nano Materials, 2019, 2, 3813-3818.	5.0	19

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19	Emission Enhancement of Fluorescent Molecules by Antireflective Arrays. <i>Research</i> , 2019, 2019, 3495841.	5.7	19
20	Oriented Crystallization of KH ₂ PO ₄ under a Compressed Langmuir Monolayer. <i>Langmuir</i> , 1999, 15, 4837-4841.	3.5	17
21	Reinforced Poly(ether ether ketone)/Nafion Composite Membrane with Highly Improved Proton Conductivity for High Concentration Direct Methanol Fuel Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 7180-7190.	5.1	16
22	Fabrication of biomimetic patterns for high transmission and antifogging property. <i>RSC Advances</i> , 2015, 5, 28014-28018.	3.6	15
23	Rapid liquid-phase microextraction of analytes from complex samples on superwetting porous silicon for onsite SALDI-MS analysis. <i>Talanta</i> , 2019, 198, 63-70.	5.5	15
24	Carbon nanoparticles derived from carbon soot as a matrix for SALDI-MS analysis. <i>Mikrochimica Acta</i> , 2020, 187, 161.	5.0	14
25	Ab initio structure determination of n-diamond. <i>Scientific Reports</i> , 2015, 5, 13447.	3.3	13
26	Fabrication of ordered Si nanopillar arrays for ultralow reflectivity. <i>RSC Advances</i> , 2016, 6, 15803-15807.	3.6	13
27	Superhydrophobic candle soot/PDMS substrate for one-step enrichment and desalting of peptides in MALDI MS analysis. <i>Talanta</i> , 2018, 190, 23-29.	5.5	13
28	A Robust Conductive Polymer Network as a Multi-Functional Binder and Conductive Additive for Supercapacitors. <i>ChemElectroChem</i> , 2020, 7, 3056-3064.	3.4	12
29	Anisotropic growth of organic semiconductor based on mechanical contrast of pre-patterned monolayer. <i>Soft Matter</i> , 2010, 6, 5302.	2.7	10
30	Trapping analyte molecules in hotspots with modified free-standing silver bowtie nanostructures for SERS detection. <i>RSC Advances</i> , 2016, 6, 84480-84484.	3.6	10
31	Confining analyte droplets on visible Si pillars for improving reproducibility and sensitivity of SALDI-TOF MS. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1135-1142.	3.7	9
32	Silver-nanoparticle-grafted silicon nanocones for reproducible Raman detection of trace contaminants in complex liquid environments. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 251, 119447.	3.9	9
33	Conducting polymer nanowires fabricated by edge effect of NIL. <i>Journal of Materials Chemistry</i> , 2012, 22, 12096.	6.7	8
34	Fabrication of a resist pattern based on plasma-polystyrene interactions. <i>RSC Advances</i> , 2016, 6, 14948-14951.	3.6	8
35	Eliminating sweet spot in MALDI-MS with hydrophobic ordered structure as target for quantifying biomolecules. <i>Talanta</i> , 2020, 218, 121172.	5.5	8
36	Supramolecular Self-Assembly of Nanotubes and Supercoils from Long-Chain Derivatives of Pyrimidinetrione and Triazine. <i>Journal of Colloid and Interface Science</i> , 2002, 252, 222-225.	9.4	7

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37	Enriching analyte molecules on tips of superhydrophobic gold nanocones for trace detection with SALDI-MS. <i>Talanta</i> , 2019, 205, 120085.	5.5	7
38	Size-matching hierarchical micropillar arrays for detecting circulating tumor cells in breast cancer patients' whole blood. <i>Nanoscale</i> , 2019, 11, 6677-6684.	5.6	7
39	A universal strategy to improve interfacial kinetics of solid supercapacitors used in high temperature. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 110-119.	9.4	7
40	π-π interactions in the self-assembly of melamine and barbituric acid derivatives. <i>Science in China Series B: Chemistry</i> , 2001, 44, 478-485.	0.8	2
41	Fabrication of plasmonic opposite metal spindles in nanowells by shadow deposition for sensing. <i>RSC Advances</i> , 2017, 7, 4759-4762.	3.6	2
42	Electrical Property of a Layered Non-Centrosymmetric Self-Assembly Based on Barbituric Acid and Melamine Derivatives. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 337, 173-176.	0.3	0
43	Patterning Organic Fluorescent Molecules with SAM Patterns. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1335, 21.	0.1	0