

Mengyan Shen

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

739
citations

933447

10
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

851
citing authors

#	ARTICLE	IF	CITATIONS
1	Study the plasmonic property of gold nanorods highly above damage threshold via single-pulse spectral hole-burning experiments. <i>Scientific Reports</i> , 2021, 11, 22232.	3.3	4
2	Low-cost visible-light photosynthesis of water and adsorbed carbon dioxide into long-chain hydrocarbons. <i>Chemical Physics Letters</i> , 2020, 739, 136985.	2.6	8
3	Carbon isotope effects in the artificial photosynthesis reactions catalyzed by nanostructured Co/CoO. <i>Chemical Physics Letters</i> , 2020, 754, 137731.	2.6	1
4	Conversion of water and carbon dioxide into methanol with solar energy on Au/Co nanostructured surfaces. <i>Materials Research Express</i> , 2020, 7, 035014.	1.6	6
5	Temperature Dependence of the Artificial Photosynthesis Reactions Catalyzed by Nanostructured Co/CoO. <i>ACS Omega</i> , 2020, 5, 33083-33089.	3.5	0
6	Femtosecond Laser-Induced Thermal Transport in Silicon with Liquid Cooling Bath. <i>Materials</i> , 2019, 12, 2043.	2.9	15
7	Femtosecond laser induced formation of graphene nanostructures in water and their field emission properties. <i>Materials Research Express</i> , 2019, 6, 085016.	1.6	10
8	Detection of Liquid Penetration of a Micropillar Surface Using the Quartz Crystal Microbalance. <i>Langmuir</i> , 2017, 33, 638-644.	3.5	25
9	Femtosecond laser irradiation-induced infrared absorption on silicon surfaces. <i>International Journal of Smart and Nano Materials</i> , 2015, 6, 113-123.	4.2	11
10	The electric field effect on the sensitivity of tin oxide gas sensors on nanostructured substrates at low temperature. <i>International Journal of Smart and Nano Materials</i> , 2014, 5, 257-269.	4.2	17
11	Platinum nanostructures formed by femtosecond laser irradiation in water. <i>Journal of Applied Physics</i> , 2012, 112, 104314.	2.5	9
12	Enhanced protein binding on femtosecond laser ablated poly(methyl methacrylate) surfaces. <i>Applied Physics Letters</i> , 2011, 98, 171101.	3.3	9
13	Using metal nanostructures to form hydrocarbons from carbon dioxide, water and sunlight. <i>AIP Advances</i> , 2011, 1, .	1.3	10
14	Surface-assisted laser desorption and ionization mass spectrometry using low-cost matrix-free substrates. <i>Journal of Mass Spectrometry</i> , 2011, 46, 859-864.	1.6	6
15	Highly sensitive gas sensors on low-cost nanostructured polymer substrates. <i>International Journal of Smart and Nano Materials</i> , 2011, 2, 1-8.	4.2	7
16	Low-cost self-cleaning room temperature SnO ₂ thin film gas sensor on polymer nanostructures. , 2010, , .		3
17	NATURE-LIKE PHOTOSYNTHESIS OF WATER AND CARBON DIOXIDE WITH FEMTOSECOND LASER INDUCED SELF-ASSEMBLED METAL NANOSTRUCTURES. <i>International Journal of Modern Physics B</i> , 2009, 23, 5849-5857.	2.0	10
18	Surface Enhanced Raman Scattering Sensing with Nanostructures Fabricated by Soft Nanolithography. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009, 46, 1182-1184.	2.2	15

#	ARTICLE	IF	CITATIONS
19	High-Density Regular Arrays of Nanometer-Scale Rods Formed on Silicon Surfaces via Femtosecond Laser Irradiation in Water. Nano Letters, 2008, 8, 2087-2091.	9.1	157
20	Visible and near-infrared responsivity of femtosecond-laser microstructured silicon photodiodes. Optics Letters, 2005, 30, 1773.	3.3	300
21	Morphology of femtosecond-laser-ablated borosilicate glass surfaces. Applied Physics Letters, 2003, 83, 3030-3032.	3.3	115