Mengyan Shen

List of Publications by Year
in descending order

21	739	933447 10	752698 20
papers	citations	h-index	g-index

22	22	22	851
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Visible and near-infrared responsivity of femtosecond-laser microstructured silicon photodiodes. Optics Letters, 2005, 30, 1773.	3.3	300
2	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
3	Morphology of femtosecond-laser-ablated borosilicate glass surfaces. Applied Physics Letters, 2003, 83, 3030-3032.	3.3	115
4	Detection of Liquid Penetration of a Micropillar Surface Using the Quartz Crystal Microbalance. Langmuir, 2017, 33, 638-644.	3.5	25
5	The electric field effect on the sensitivity of tin oxide gas sensors on nanostructured substrates at low temperature. International Journal of Smart and Nano Materials, 2014, 5, 257-269.	4.2	17
6	Surface Enhanced Raman Scattering Sensing with Nanostructures Fabricated by Soft Nanolithography. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 1182-1184.	2.2	15
7	Femtosecond Laser-Induced Thermal Transport in Silicon with Liquid Cooling Bath. Materials, 2019, 12, 2043.	2.9	15
8	Femtosecond laser irradiation-induced infrared absorption on silicon surfaces. International Journal of Smart and Nano Materials, 2015, 6, 113-123.	4.2	11
9	NATURE-LIKE PHOTOSYNTHESIS OF WATER AND CARBON DIOXIDE WITH FEMTOSECOND LASER INDUCED SELF-ASSEMBLED METAL NANOSTRUCTURES. International Journal of Modern Physics B, 2009, 23, 5849-5857.	2.0	10
10	Using metal nanostructures to form hydrocarbons from carbon dioxide, water and sunlight. AIP Advances, 2011, 1, .	1.3	10
11	Femtosecond laser induced formation of graphene nanostructures in water and their field emission properties. Materials Research Express, 2019, 6, 085016.	1.6	10
12	Enhanced protein binding on femtosecond laser ablated poly(methyl methacrylate) surfaces. Applied Physics Letters, 2011, 98, 171101.	3.3	9
13	Platinum nanostructures formed by femtosecond laser irradiation in water. Journal of Applied Physics, 2012, 112, 104314.	2.5	9
14	Low-cost visible-light photosynthesis of water and adsorbed carbon dioxide into long-chain hydrocarbons. Chemical Physics Letters, 2020, 739, 136985.	2.6	8
15	Highly sensitive gas sensors on low-cost nanostructured polymer substrates. International Journal of Smart and Nano Materials, 2011, 2, 1-8.	4.2	7
16	Surface-assisted laser desorption and ionization mass spectrometry using low-cost matrix-free substrates. Journal of Mass Spectrometry, 2011, 46, 859-864.	1.6	6
17	Conversion of water and carbon dioxide into methanol with solar energy on Au/Co nanostructured surfaces. Materials Research Express, 2020, 7, 035014.	1.6	6
18	Study the plasmonic property of gold nanorods highly above damage threshold via single-pulse spectral hole-burning experiments. Scientific Reports, 2021, 11, 22232.	3.3	4

#	Article	IF	Citations
19	Low-cost self-cleaning room temperature SnO 2 thin film gas sensor on polymer nanostructures. , 2010, , .		3
20	Carbon isotope effects in the artificial photosynthesis reactions catalyzed by nanostructured Co/CoO. Chemical Physics Letters, 2020, 754, 137731.	2.6	1
21	Temperature Dependence of the Artificial Photosynthesis Reactions Catalyzed by Nanostructured Co/CoO. ACS Omega, 2020, 5, 33083-33089.	3.5	0