Wei Guo

List of Publications by Year in descending order

15 papers	1,281 citations	1039406 9 h-index	1372195 10 g-index
15 all docs	15 docs citations	15 times ranked	956 citing authors

#	Article	IF	Citations
1	Imaging with the Super-resolution Microsphere Amplifying Lens (SMAL) Nanoscope. Journal of Physics: Conference Series, 2017, 902, 012014.	0.3	3
2	Understanding and elimination of process defects in narrow gap multi-pass fiber laser welding of ferritic steel sheets of 30Âmm thickness. International Journal of Advanced Manufacturing Technology, 2017, 88, 1821-1830.	1.5	24
3	Optical Scanning Nanoscope with Microsphere Attached Objective Lens for Super Resolution 3D Virtual Imaging. , 2017, , .		0
4	Optical Tweezers Microsphere-lens Super Resolution Imaging System. , 2017, , .		0
5	Narrow gap laser welding for potential nuclear pressure vessel manufacture. Journal of Laser Applications, 2016, 28, .	0.8	19
6	Microstructure and mechanical characteristics of a laser welded joint in SA508 nuclear pressure vessel steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 625, 65-80.	2.6	35
7	Microsphere-Coupled Scanning Laser Confocal Nanoscope for Sub-Diffraction-Limited Imaging at 25 nm Lateral Resolution in the Visible Spectrum. ACS Nano, 2014, 8, 1809-1816.	7.3	179
8	Label-free super-resolution imaging of adenoviruses by submerged microsphere optical nanoscopy. Light: Science and Applications, 2013, 2, e104-e104.	7.7	229
9	Immersed transparent microsphere magnifying sub-diffraction-limited objects. Applied Optics, 2013, 52, 7265.	2.1	72
10	Overcoming the diffraction limit induced by microsphere optical nanoscopy. Journal of Optics (United) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	62
11	Optical virtual imaging at 50 nm lateral resolution with a white-light nanoscope. Nature Communications, 2011, 2, 218.	5.8	641
12	Chemical-assisted laser parallel nanostructuring of silicon in optical near fields. Nanotechnology, 2008, 19, 455302.	1.3	13
13	Large area nanopatterning of silicon surface by chemical assisted laser processing using near-field enhancement by particle-lens arrays. , 2008, , .		0
14	Large area nanopatterning of silicon surface by chemical assisted laser processing using near-field enhancement by particle-lens arrays. , 2008, , .		1
15	Finite Element Analysis of Thermal Effect on Large Thick Titanium Alloy Electron Beam Welding with Different Focus. Applied Mechanics and Materials, 0, 152-154, 665-671.	0.2	3