Susanta Kumar Das

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3966/publications.pdf

Version: 2024-02-01

		1163065	888047
33	329	8	17
papers	citations	h-index	g-index

35	35	35	424
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiphoton excitation of surface plasmon-polaritons and scaling of nanoripple formation in large bandgap materials. Optical Materials Express, 2013, 3, 1705.	3.0	60
2	Femtosecond-laser-induced quasiperiodic nanostructures on TiO2 surfaces. Journal of Applied Physics, 2009, 105, .	2.5	48
3	Efficient second harmonic generation in ZnO nanorod arrays with broadband ultrashort pulses. Applied Physics Letters, 2008, 93, .	3.3	45
4	Extended-area nanostructuring of TiO₂with femtosecond laser pulses at 400 nm using a line focus. Nanotechnology, 2010, 21, 155302.	2.6	43
5	Highly efficient THG in TiO_2 nanolayers for third-order pulse characterization. Optics Express, 2011, 19, 16985.	3.4	39
6	Multiphoton-absorption induced ultraviolet luminescence of ZnO nanorods using low-energy femtosecond pulses. Journal of Applied Physics, 2010, 108, .	2.5	23
7	ZnO nanorods for efficient third harmonic UV generation. Optical Materials Express, 2014, 4, 701.	3.0	17
8	Efficient UV photocatalytic dye decomposition activity with cost effective solid state reaction grown Zinc Orthotitanate (Zn2TiO4) nanoparticles. Journal of Alloys and Compounds, 2018, 764, 895-900.	5.5	13
9	Growth of ZnO nanoparticles prepared from cost effective laboratory grade ZnO powder and their application in UV photocatalytic dye decomposition. Journal of Materials Science: Materials in Electronics, 2019, 30, 4541-4547.	2.2	7
10	Highly periodic laser-induced nanostructures on thin Ti and Cu foils for potential application in laser ion acceleration. Journal of Applied Physics, 2016, 119, 113101.	2.5	6
11	Noncollinear autocorrelation with radially symmetric nondiffracting beams. , 2008, , .		5
12	Visible light photocatalytic dye decomposition behaviour of solid state reaction grown Zn₂TiO₄ nanoparticles. Journal of Semiconductors, 2018, 39, 123002.	3.7	4
13	Growth of Aluminum Doped Zinc Oxide Nanostructure Thin Films by Nonconventional Solâ€Gel Method. Macromolecular Symposia, 2022, 402, .	0.7	4
14	Fringe resolved autocorrelator for characterization of ultrashort laser pulses using second harmonics of ZnO nanorods. Optics Communications, 2017, 402, 398-400.	2.1	3
15	Comparison of performance of dye-sensitized solar cell prepared with uncalcinated and calcinated ZnO-TiO2 mixed phase nanoparticles. AIP Conference Proceedings, 2018, , .	0.4	2
16	Ultraviolet photocatalytic dye decomposition of malachite green dye by using cost effective ZnO nanoparticles. AIP Conference Proceedings, 2019, , .	0.4	2
17	Adaptive wavefront diagnostics of ultrashort pulses with programmable microaxicons. , 2011, , .		1
18	Photocatalytic study of methyl orange dye in UV exposure by using ZnO nanoparticles. Materials Today: Proceedings, 2020, 33, 5592-5594.	1.8	1

#	Article	IF	Citations
19	Generation of microstructures and extreme sub-wavelength laser-induced periodic structures on the Si surface using $$hbox {N}_{2}$$ nanosecond pulsed laser for the reduction of reflectance. Pramana - Journal of Physics, 2021, 95, 1.	1.8	1
20	Ultrashort-Pulsed Nondiffracting Images. , 2009, , .		1
21	Formation of laser-induced periodic structures in TiO2 crystals depending on the surface quality. , 2011, , .		1
22	Laser-induced periodic nanostructures on ZnO surfaces with a patterned beam in water environment. , 2010, , .		0
23	Evidence for Non-Mass-Transfer Mechanism in fs-Laser Formation of Sub-200 nm Structures on Sapphire. , 2012, , .		0
24	Adaptive Characterization of Few-cycle Wavepackets with High-Pulse-Fidelity Time-Wavefront Sensors. , 2012, , .		0
25	Use of photovoltaic detector for photocatalytic activity estimation. AIP Conference Proceedings, 2018, , .	0.4	0
26	Growth of thin film containing high density ZnO nanorods with low temperature calcinated seed layer. AIP Conference Proceedings, 2018, , .	0.4	0
27	Laser processed micro-groove based black Si. AIP Conference Proceedings, 2019, , .	0.4	0
28	Effect of repetition rate on morphology of generated microstructure on silicon surface using low cost N2 laser in air medium. AIP Conference Proceedings, 2019, , .	0.4	0
29	Energy dispersive X-ray spectroscopy study of compound semiconductor zinc orthotitanate prepared by solid state reaction method. Materials Today: Proceedings, 2020, 33, 5628-5631.	1.8	0
30	Femtosecond-Laser Induced Sub-200 nm Structures in TiO2. , 2009, , .		0
31	Enhanced surface third harmonic generation in TiO2 nanolayers. , 2011, , .		0
32	Superwavelength, wavelength, and subwavelength laser-induced periodic surface structures on zinc and their energy-dispersive x-ray analysis. Applied Optics, 2019, 58, 5451.	1.8	0
33	USB Digital Microscope Endoscope Camera â€“ An Effective Tool for Quick Morphological Characterization of Laserâ€induced Microstructures. Macromolecular Symposia, 2022, 402, .	0.7	0