

Pramod Gopinath

List of Publications by Year in descending order

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36
papers

850
citations

567281

15
h-index

477307

29
g-index

36
all docs

36
docs citations

36
times ranked

1312
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of reduced graphene oxideâ€ZnO hybrid with enhanced optical limiting properties. Journal of Materials Chemistry C, 2013, 1, 3669.	5.5	145
2	Synthesis and nonlinear optical properties of reduced graphene oxide covalently functionalized with polyaniline. Carbon, 2013, 59, 308-314.	10.3	113
3	Defect engineering in ZnO nanocones for visible photoconductivity and nonlinear absorption. Physical Chemistry Chemical Physics, 2014, 16, 25093-25100.	2.8	86
4	Reduced graphene oxideâ€ZnO self-assembled films: tailoring the visible light photoconductivity by the intrinsic defect states in ZnO. Physical Chemistry Chemical Physics, 2015, 17, 14647-14655.	2.8	59
5	Hydrothermal synthesis of ZnO decorated reduced graphene oxide: Understanding the mechanism of photocatalysis. Journal of Environmental Chemical Engineering, 2015, 3, 1194-1199.	6.7	56
6	Time resolved study of CN band emission from plasma generated by laser irradiation of graphite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1997, 53, 1527-1536.	3.9	42
7	Twin peak distribution of electron emission profile and impact ionization of ambient molecules during laser ablation of silver target. Applied Physics Letters, 1998, 73, 163-165.	3.3	38
8	Optical limiting studies of ZnO nanotops and its polymer nanocomposite films. Applied Physics Letters, 2012, 101, 071103.	3.3	36
9	Optical-limiting response of rare-earth metallo-phthalocyanine-doped copolymer matrix. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 1486.	2.1	30
10	Influence of magnetic field on laser-produced barium plasmas: Spectral and dynamic behaviour of neutral and ionic species. Journal of Applied Physics, 2014, 116, .	2.5	28
11	Thermal lens spectrum of organic dyes using optical parametric oscillator. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2003, 59, 487-491.	3.9	22
12	Polyvinyl pyrrolidone assisted low temperature synthesis of ZnO nanocones and its linear and nonlinear optical studies. Materials Research Bulletin, 2014, 49, 132-137.	5.2	18
13	NONLINEAR ABSORPTION AND OPTICAL LIMITING IN SOLUTIONS OF SOME RARE EARTH SUBSTITUTED PHTHALOCYANINES. Journal of Nonlinear Optical Physics and Materials, 2001, 10, 113-121.	1.8	17
14	Accurate band gap determination of chemically synthesized cobalt ferrite nanoparticles using diffuse reflectance spectroscopy. Advanced Powder Technology, 2021, 32, 3706-3716.	4.1	17
15	Grafting of self assembled polyaniline nanorods on reduced graphene oxide for nonlinear optical application. Synthetic Metals, 2013, 185-186, 38-44.	3.9	16
16	Switching of absorptive nonlinearity from reverse saturation to saturation in polymer-ZnO nanotop composite films. Applied Physics Letters, 2014, 105, 221102.	3.3	15
17	Effect of morphology and solvent on two-photon absorption of nano zinc oxide. Materials Research Bulletin, 2013, 48, 1967-1971.	5.2	12
18	Phenylenediamine functionalized reduced graphene oxide/polyaniline hybrid: synthesis, characterization, improved conductivity and photocurrent generation. RSC Advances, 2014, 4, 29901-29908.	3.6	12

#	ARTICLE	IF	CITATIONS
19	Core-shell nanostructures of covalently grafted polyaniline multi-walled carbon nanotube hybrids for improved optical limiting. <i>Optics Letters</i> , 2015, 40, 21.	3.3	12
20	STUDY OF ENERGY TRANSFER IN ORGANIC DYE PAIRS USING THERMAL LENS TECHNIQUE. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2001, 10, 415-421.	1.8	11
21	Enhanced optical limiting in polystyrene/ZnO nanoparticle composite films. <i>Optics Letters</i> , 2014, 39, 474.	3.3	10
22	Energy dependent saturable and reverse saturable absorption in cube-like polyaniline/polymethyl methacrylate film. <i>Materials Chemistry and Physics</i> , 2014, 146, 218-223.	4.0	10
23	Dynamics of laser produced silver plasma under film deposition conditions studied using optical emission spectroscopy. <i>Applied Surface Science</i> , 1998, 125, 227-235.	6.1	9
24	Enhanced photocatalytic activity of polyaniline through noncovalent functionalization with graphite oxide. <i>Materials Research Express</i> , 2014, 1, 045602.	1.6	9
25	Effect of pH on Quantum Yield of Fluorescein Using Dual Beam Thermal Lens Technique. <i>Journal of Optics (India)</i> , 2002, 31, 29-35.	1.7	6
26	Photoinduced electron transfer, improved nonlinear optical properties and photocurrent generation in polyaniline-graphite oxide hybrid. <i>Materials Research Express</i> , 2014, 1, 035051.	1.6	5
27	Diamagnetic cavitation of laser-produced barium plasma in transverse magnetic field. <i>Optics Letters</i> , 2015, 40, 2185.	3.3	5
28	Nanosecond optical limiting response of sandwich-type neodymium dypthalocyanine in a co-polymer host. <i>Synthetic Metals</i> , 2004, 143, 197-201.	3.9	3
29	Exploring the optical limiting, photocatalytic and antibacterial properties of the BiFeO ₃ /NaNbO ₃ nanocomposite system. <i>RSC Advances</i> , 2021, 11, 8450-8458.	3.6	2
30	Shock front interaction and dynamics of laterally colliding laser-produced plasmas. <i>Vacuum</i> , 2022, 198, 110872.	3.5	2
31	<title>Realization of optical logic gates using thermal lens effect</title> . , 2001, , .		1
32	Phenylene diamine mediated covalent grafting of polyaniline on reduced graphene oxide for optical Limiting. , 2013, , .		1
33	Photocatalytic degradation of methyl orange using MgFe ₂ O ₄ @TiO ₂ core-shell nanoparticles. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
34	Shocks and solitons in collisional dense laser produced plasmas. <i>Physica Scripta</i> , 2022, 97, 045601.	2.5	1
35	Enhanced room temperature ferromagnetism in chemically synthesized Co ₃ O ₄ nanoparticles. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
36	Optical loss coefficient in plastic waveguides. , 2002, , .		0