

# 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	Shock front interaction and dynamics of laterally colliding laser-produced plasmas. <i>Vacuum</i> , 2022, 198, 110872.	3.5	2
2	Shocks and solitons in collisional dense laser produced plasmas. <i>Physica Scripta</i> , 2022, 97, 045601.	2.5	1
3	Exploring the optical limiting, photocatalytic and antibacterial properties of the BiFeO <sub>3</sub> @NaNbO <sub>3</sub> nanocomposite system. <i>RSC Advances</i> , 2021, 11, 8450-8458.	3.6	2
4	Accurate band gap determination of chemically synthesized cobalt ferrite nanoparticles using diffuse reflectance spectroscopy. <i>Advanced Powder Technology</i> , 2021, 32, 3706-3716.	4.1	17
5	Enhanced room temperature ferromagnetism in chemically synthesized Co <sub>3</sub> O <sub>4</sub> nanoparticles. <i>AIP Conference Proceedings</i> , 2019, . .	0.4	0
6	Photocatalytic degradation of methyl orange using MgFe <sub>2</sub> O <sub>4</sub> @TiO <sub>2</sub> core-shell nanoparticles. <i>AIP Conference Proceedings</i> , 2019, . .	0.4	1
7	Hydrothermal synthesis of ZnO decorated reduced graphene oxide: Understanding the mechanism of photocatalysis. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1194-1199.	6.7	56
8	Reduced graphene oxide@ZnO self-assembled films: tailoring the visible light photoconductivity by the intrinsic defect states in ZnO. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 14647-14655.	2.8	59
9	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
10	Diamagnetic cavitation of laser-produced barium plasma in transverse magnetic field. <i>Optics Letters</i> , 2015, 40, 2185.	3.3	5
11	Enhanced photocatalytic activity of polyaniline through noncovalent functionalization with graphite oxide. <i>Materials Research Express</i> , 2014, 1, 045602.	1.6	9
12	Switching of absorptive nonlinearity from reverse saturation to saturation in polymer-ZnO nanotop composite films. <i>Applied Physics Letters</i> , 2014, 105, 221102.	3.3	15
13	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
14	Influence of magnetic field on laser-produced barium plasmas: Spectral and dynamic behaviour of neutral and ionic species. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	28
15	Enhanced optical limiting in polystyrene@ZnO nanotop composite films. <i>Optics Letters</i> , 2014, 39, 474.	3.3	10
16	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
17	Polyvinyl pyrrolidone assisted low temperature synthesis of ZnO nanocones and its linear and nonlinear optical studies. <i>Materials Research Bulletin</i> , 2014, 49, 132-137.	5.2	18
18	Defect engineering in ZnO nanocones for visible photoconductivity and nonlinear absorption. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 25093-25100.	2.8	86

#	ARTICLE	IF	CITATIONS
19	Phenylenediamine functionalized reduced graphene oxide/polyaniline hybrid: synthesis, characterization, improved conductivity and photocurrent generation. RSC Advances, 2014, 4, 29901-29908.	3.6	12
20	Grafting of self assembled polyaniline nanorods on reduced graphene oxide for nonlinear optical application. Synthetic Metals, 2013, 185-186, 38-44.	3.9	16
21	Phenylene diamine mediated covalent grafting of polyaniline on reduced graphene oxide for optical Limiting. , 2013, , .		1
22	Synthesis of reduced graphene oxideâ€ZnO hybrid with enhanced optical limiting properties. Journal of Materials Chemistry C, 2013, 1, 3669.	5.5	145
23	Synthesis and nonlinear optical properties of reduced graphene oxide covalently functionalized with polyaniline. Carbon, 2013, 59, 308-314.	10.3	113
24	Effect of morphology and solvent on two-photon absorption of nano zinc oxide. Materials Research Bulletin, 2013, 48, 1967-1971.	5.2	12
25	Optical limiting studies of ZnO nanotops and its polymer nanocomposite films. Applied Physics Letters, 2012, 101, 071103.	3.3	36
26	Nanosecond optical limiting response of sandwich-type neodymium dyphthalocyanine in a co-polymer host. Synthetic Metals, 2004, 143, 197-201.	3.9	3
27	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
28	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
29	Effect of pH on Quantum Yield of Fluorescein Using Dual Beam Thermal Lens Technique. Journal of Optics (India), 2002, 31, 29-35.	1.7	6
30	Optical loss coefficient in plastic waveguides. , 2002, , .		0
31	<title>Realization of optical logic gates using thermal lens effect</title>. , 2001, , .		1
32	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
33	STUDY OF ENERGY TRANSFER IN ORGANIC DYE PAIRS USING THERMAL LENS TECHNIQUE. Journal of Nonlinear Optical Physics and Materials, 2001, 10, 415-421.	1.8	11
34	Dynamics of laser produced silver plasma under film deposition conditions studied using optical emission spectroscopy. Applied Surface Science, 1998, 125, 227-235.	6.1	9
35	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
36	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