

V P N Nampoori

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11973464/publications.pdf>

Version: 2024-02-01

186
papers

3,893
citations

136950

32
h-index

155660

55
g-index

189
all docs

189
docs citations

189
times ranked

3998
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron density and temperature measurements in a laser produced carbon plasma. Journal of Applied Physics, 1997, 82, 2140-2146.	2.5	317
2	UV-Visible Photoluminescence of TiO ₂ Nanoparticles Prepared by Hydrothermal Method. Journal of Fluorescence, 2012, 22, 1563-1569.	2.5	170
3	Size dependent fluorescence spectroscopy of nanocolloids of ZnO. Journal of Applied Physics, 2007, 102, .	2.5	163
4	Influence of ambient gas on the temperature and density of laser produced carbon plasma. Applied Physics Letters, 1998, 72, 167-169.	3.3	122
5	Size-dependent enhancement of nonlinear optical properties in nanocolloids of ZnO. Journal of Applied Physics, 2008, 103, .	2.5	115
6	Temporal and Spatial Behavior of Electron Density and Temperature in a Laser-Produced Plasma from YBa ₂ Cu ₃ O ₇ . Applied Spectroscopy, 1998, 52, 449-455.	2.2	87
7	Spectral and nonlinear optical characteristics of nanocomposites of ZnO@CdS. Journal of Applied Physics, 2008, 103, .	2.5	81
8	Measurement of the absolute fluorescence quantum yield of rhodamine B solution using a dual-beam thermal lens technique. Journal Physics D: Applied Physics, 1996, 29, 1074-1079.	2.8	80
9	Excitation wavelength dependent fluorescence behaviour of nano colloids of ZnO. Journal Physics D: Applied Physics, 2007, 40, 5670-5674.	2.8	80
10	Temporal and spatial evolution of C ₂ in laser induced plasma from graphite target. Journal of Applied Physics, 1996, 80, 3561-3565.	2.5	78
11	Studies on Fluorescence Efficiency and Photodegradation of Rhodamine 6G Doped PMMA Using a Dual Beam Thermal Lens Technique. Laser Chemistry, 2002, 20, 99-110.	0.5	78
12	Optical emission studies of species in laser-produced plasma from carbon. Journal Physics D: Applied Physics, 1997, 30, 1703-1709.	2.8	74
13	Optical limiting and thermal lensing studies in C ₆₀ . Journal of Applied Physics, 1999, 86, 1388-1392.	2.5	74
14	Luminescence tuning and enhanced nonlinear optical properties of nanocomposites of ZnO@TiO ₂ . Journal of Colloid and Interface Science, 2008, 324, 99-104.	9.4	71
15	Permutation entropy based real-time chatter detection using audio signal in turning process. International Journal of Advanced Manufacturing Technology, 2010, 46, 61-68.	3.0	67
16	Chemical sensing with microbent optical fiber. Optics Letters, 2001, 26, 1541.	3.3	65
17	A sensitive fibre optic pH sensor using multiple sol-gel coatings. Journal of Optics, 2001, 3, 355-359.	1.5	60
18	Nonlinear optical absorption in silver nanosol. Journal Physics D: Applied Physics, 2003, 36, 1242-1245.	2.8	60

#	ARTICLE	IF	CITATIONS
19	SOLVENT EFFECT ON ABSOLUTE FLUORESCENCE QUANTUM YIELD OF RHODAMINE 6G DETERMINED USING TRANSIENT THERMAL LENS TECHNIQUE. <i>Modern Physics Letters B</i> , 1999, 13, 563-576.	1.9	58
20	Effect of silver nano particles on the fluorescence quantum yield of Rhodamine 6G determined using dual beam thermal lens method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 1077-1083.	3.9	56
21	Spectral dependence of third order nonlinear optical susceptibility of zinc phthalocyanine. <i>Journal of Applied Physics</i> , 2006, 100, 053109.	2.5	55
22	Saturable and reverse saturable absorption in aqueous silver nanoparticles at off-resonant wavelength. <i>Optical and Quantum Electronics</i> , 2012, 43, 49-58.	3.3	55
23	Effect of annealing on the spectral and nonlinear optical characteristics of thin films of nano-ZnO. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	53
24	Emission characteristics and dynamics of C2 from laser produced graphite plasma. <i>Journal of Applied Physics</i> , 1997, 81, 3637-3643.	2.5	52
25	A fibre optic evanescent wave sensor used for the detection of trace nitrites in water. <i>Journal of Optics</i> , 2002, 4, 247-250.	1.5	51
26	Size dependent optical properties of the CdSe-CdS core-shell quantum dots in the strong confinement regime. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	44
27	Twin peak distribution of electron emission profile and impact ionization of ambient molecules during laser ablation of silver target. <i>Applied Physics Letters</i> , 1998, 73, 163-165.	3.3	38
28	NIR to UV absorption spectra and the optical constants of phthalocyanines in glassy medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 1-11.	3.9	36
29	Studies of nonlinear optical properties of PicoGreen dye using Z-scan technique. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 115, 291-295.	2.3	35
30	Temporal and spatial evolution of laser ablated plasma from YBa2Cu3O7. <i>Applied Physics Letters</i> , 1994, 64, 3377-3379.	3.3	34
31	COMPLEXITY QUANTIFICATION OF DENSE ARRAY EEG USING SAMPLE ENTROPY ANALYSIS. <i>Journal of Integrative Neuroscience</i> , 2004, 03, 343-358.	1.7	33
32	Band-gap tuning and nonlinear optical characterization of Ag:TiO2 nanocomposites. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	33
33	Optical characterization and tunable antibacterial properties of gold nanoparticles with common proteins. <i>Analytical Biochemistry</i> , 2021, 612, 113975.	2.4	33
34	Physical and optical properties of phthalocyanine doped inorganic glasses. <i>Journal of Materials Science</i> , 2000, 35, 2539-2542.	3.7	32
35	Thermal characterization of doped polyaniline and its composites with CoPc. <i>Physical Review B</i> , 2004, 69, .	3.2	32
36	Photoacoustic study of the effect of degassing temperature on thermal diffusivity of hydroxyl loaded alumina. <i>Applied Physics Letters</i> , 1995, 67, 2939-2941.	3.3	30

#	ARTICLE	IF	CITATIONS
37	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
38	Effect of deoxyribonucleic acid on nonlinear optical properties of Rhodamine 6G-polyvinyl alcohol solution. Journal of Applied Physics, 2011, 109, .	2.5	29
39	Photoemission optogalvanic effect studies in N ₂ , NO ₂ and Ar discharges under pulsed laser excitation. Journal Physics D: Applied Physics, 1993, 26, 1-3.	2.8	27
40	Studies of nonlinear absorption and aggregation in aqueous solutions of rhodamine 6G using a transient thermal lens technique. Journal Physics D: Applied Physics, 1999, 32, 407-411.	2.8	27
41	Solvent assisted evolution and growth mechanism of zero to three dimensional ZnO nanostructures for dye sensitized solar cell applications. Scientific Reports, 2021, 11, 6159.	3.3	27
42	Tuning whispering gallery lasing modes from polymer fibers under tensile strain. Optics Letters, 2016, 41, 551.	3.3	26
43	Nonlinear optical studies on nanocolloidal GaSbGeSe chalcogenide glass. Journal of Applied Physics, 2010, 108, .	2.5	25
44	Photothermal deflection measurement on heat transport in GaAs epitaxial layers. Physical Review B, 2003, 68, .	3.2	24
45	Linear and nonlinear optical characteristics of ZnO-SiO ₂ nanocomposites. Applied Optics, 2008, 47, 4345.	2.1	24
46	Laser emission from the whispering gallery modes of a graded index fiber. Optics Letters, 2013, 38, 3261.	3.3	24
47	Study on the determination of molecular distance in organic dye mixtures using dual beam thermal lens technique. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 2799-2802.	3.9	23
48	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
49	Shifting of Fluorescence Peak in CdS Nanoparticles by Excitation Wavelength Change. Journal of Fluorescence, 2011, 21, 1479-1484.	2.5	22
50	Photoacoustic observation of excited singlet state absorption in the laser dye rhodamine 6G. Journal Physics D: Applied Physics, 1994, 27, 2019-2022.	2.8	21
51	Evanescent wave fibre optic sensors for trace analysis of Fe ³⁺ in water. Measurement Science and Technology, 2003, 14, 858-861.	2.6	21
52	Effect of ambient gas on the expansion dynamics of plasma plume formed by laser blow off of thin film. Applied Physics A: Materials Science and Processing, 2010, 98, 901-908.	2.3	21
53	Optical absorption and emission spectral studies of phthalocyanine molecules in DMF. Journal of Porphyrins and Phthalocyanines, 2001, 05, 456-459.	0.8	20
54	Photothermal Characterization of Nanogold Under Conditions of Resonant Excitation and Energy Transfer. Plasmonics, 2010, 5, 63-68.	3.4	20

#	ARTICLE	IF	CITATIONS
55	Random lasing with enhanced photostability of silver nanoparticle doped polymer optical fiber laser. <i>Laser Physics Letters</i> , 2014, 11, 055108.	1.4	20
56	Particle size and concentration effect on thermal diffusivity of water-based ZnO nanofluid using the dual-beam thermal lens technique. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1.	2.2	20
57	Intermediate Ce ³⁺ defect level induced photoluminescence and third-order nonlinear optical effects in TiO ₂ @CeO ₂ nanocomposites. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 114, 315-321.	2.3	18
58	Measurement of Absolute Fluorescence Quantum Yield of Basic Fuchsin Solution Using a Dual-Beam Thermal Lens Technique. <i>Journal of Fluorescence</i> , 2014, 24, 895-898.	2.5	18
59	Microring embedded hollow polymer fiber laser. <i>Applied Physics Letters</i> , 2015, 106, 131101.	3.3	18
60	NONLINEAR ABSORPTION AND OPTICAL LIMITING IN SOLUTIONS OF SOME RARE EARTH SUBSTITUTED PHTHALOCYANINES. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2001, 10, 113-121.	1.8	17
61	Visible luminescence mechanism in nano ZnO under weak confinement regime. <i>Journal of Applied Physics</i> , 2008, 104, 113112.	2.5	17
62	Fast imaging of laser-blow-off plume: Lateral confinement in ambient environment. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	17
63	Effect of betanin natural dye extracted from red beet root on the non linear optical properties ZnO nanoplates embedded in polymeric matrices. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	17
64	Nonlinear optical characterization and measurement of optical limiting threshold of CdSe quantum dots prepared by a microemulsion technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 739-745.	2.2	17
65	Spatial and temporal analysis of laser induced plasma from a polymer sample. <i>Journal Physics D: Applied Physics</i> , 1993, 26, 35-41.	2.8	16
66	Effect of Te doping on thermal diffusivity of Bi ₂ Se ₃ crystals: A study using open cell photoacoustic technique. <i>Physica Status Solidi A</i> , 2003, 196, 384-389.	1.7	16
67	Thermal lens technique to study the effect of pH on electronic energy transfer in organic dye mixtures. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 678-682.	3.9	16
68	Surface defect assisted broad spectra emission from CdSe quantum dots for white LED application. <i>Materials Research Express</i> , 2018, 5, 025009.	1.6	16
69	A microring multimode laser using hollow polymer optical fibre. <i>Pramana - Journal of Physics</i> , 2010, 75, 923-927.	1.8	15
70	Variations in fluorescence quantum yield of basic fuchsin with silver nanoparticles prepared by femtosecond laser ablation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 128, 522-526.	3.9	15
71	Spatial and time resolved analysis of CN bands in the laser induced plasma from graphite. <i>Pramana - Journal of Physics</i> , 1996, 46, 145-151.	1.8	14
72	Two and Three Photon Absorption in Rhodamine 6G Methanol Solutions Using Pulsed Thermal Lens Technique. <i>Journal of Nonlinear Optical Physics and Materials</i> , 1998, 07, 531-538.	1.8	14

#	ARTICLE	IF	CITATIONS
73	Significance of Time Scales in Nonlinear Dynamical Analysis of Electroencephalogram Signals. International Journal of Neuroscience, 1999, 99, 181-194.	1.6	14
74	STUDIES ON TWO-PHOTON ABSORPTION OF ANILINE USING THERMAL LENS EFFECT. Journal of Nonlinear Optical Physics and Materials, 2003, 12, 75-80.	1.8	14
75	Photoacoustic Thermal Characterization of Porous Rare-Earth Phosphate Ceramics. International Journal of Thermophysics, 2007, 28, 123-132.	2.1	14
76	Studies on CdS nanoparticles prepared in DNA and bovine serum albumin based biotemplates. Journal of Applied Physics, 2012, 112, .	2.5	14
77	Morphology dependent dispersion of third-order optical nonlinear susceptibility in TiO ₂ . Applied Physics A: Materials Science and Processing, 2014, 114, 1079-1084.	2.3	14
78	Time Resolved Analysis of C ₂ Emission from Laser Induced Graphite Plasma in Helium Atmosphere. Japanese Journal of Applied Physics, 1997, 36, 134-138.	1.5	13
79	The impact of ZnO nanoparticle size on the performance of photoanodes in DSSC and QDSSC: a comparative study. Journal of Materials Science: Materials in Electronics, 2021, 32, 3167-3179.	2.2	13
80	Measurement of laser ablation threshold on doped BiSrCaCuO high-temperature superconductors by the pulsed photothermal deflection technique. Journal of Applied Physics, 1993, 74, 2004-2007.	2.5	12
81	Spatial analysis of band emission from laser produced plasma. Plasma Sources Science and Technology, 1997, 6, 317-322.	3.1	12
82	Photoacoustic evaluation of the thermal effusivity in the isotropic phase of certain comb-shaped polymers. Journal of Physics Condensed Matter, 2001, 13, 365-371.	1.8	12
83	Impact of intermediate localized states on nonlinear optical absorption of Ga-Ge-Se nanocolloidal solutions. Applied Physics Letters, 2013, 102, 031115.	3.3	12
84	Photoluminescence and optical nonlinearity of CdS quantum dots synthesized in a functional copolymer hydrogel template. New Journal of Chemistry, 2017, 41, 3524-3536.	2.8	12
85	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
86	Concentration tuned bandgap and corresponding nonlinear refractive index dispersion in Ga-Ge-Se nanocolloids. Journal of Applied Physics, 2013, 114, .	2.5	11
87	Microring lasing from a dye-doped polymer-coated silica fiber. Laser Physics, 2013, 23, 115104.	1.2	11
88	Size Dependent Optical Nonlinearity and Optical Limiting Properties of Water Soluble CdSe Quantum Dots. Journal of Nanoscience, 2014, 2014, 1-7.	2.6	10
89	Evaluation of laser ablation threshold in polymer samples using pulsed photoacoustic technique. Pramana - Journal of Physics, 1991, 37, 345-351.	1.8	9
90	Use of mirage effect for the detection of phase transitions in solids. Measurement Science and Technology, 1993, 4, 435-437.	2.6	9

#	ARTICLE	IF	CITATIONS
91	Thermal characterization of intrinsic and extrinsic InP using photoacoustic technique. Journal Physics D: Applied Physics, 2003, 36, 990-993.	2.8	9
92	OPTICAL LIMITING IN TeO_2 $\hat{=}$ ZnO GLASS FROM Z-SCAN TECHNIQUE. Journal of Nonlinear Optical Physics and Materials, 2011, 20, 351-356.	1.8	9
93	Fluorescence quantum yield of rhodamine 6G using pulsed photoacoustic technique. Pramana - Journal of Physics, 1990, 34, 585-590.	1.8	8
94	High power N ₂ laser with a modified gas flow system and discharge geometry. Review of Scientific Instruments, 1991, 62, 2076-2079.	1.3	8
95	Characteristics of two-photon absorption in methanol solutions of Rhodamine 6G using laser induced pulsed photoacoustics. Journal of Physics B: Atomic, Molecular and Optical Physics, 1992, 25, 155-161.	1.5	8
96	Determination of the laser-induced damage threshold of bulk polymer samples at 1.06 μm using the pulsed photothermal deflection technique. Measurement Science and Technology, 1993, 4, 591-595.	2.6	8
97	LASER INDUCED THERMAL LENS EFFECT IN RHODAMINE B $\hat{=}$ SIGNATURE OF RESONANT TWO PHOTON ABSORPTION. Modern Physics Letters B, 1995, 09, 1471-1477.	1.9	8
98	Photoacoustic study of the effect of hydroxyl ion on thermal diffusivity of $\hat{=}$ alumina. Journal of Applied Physics, 1999, 85, 1987-1988.	2.5	8
99	Realization of Optical Logic Gates Using the Thermal Lens Effect. Laser Chemistry, 2002, 20, 81-87.	0.5	8
100	Photoacoustic measurement of transport properties in doped GaAs epitaxial layers. Physica Status Solidi A, 2003, 195, 416-421.	1.7	8
101	Long-period grating in multimode fiber for ammonia gas detection. , 2004, , .		8
102	Electrolyte/photoanode engineered performance of TiO ₂ based dye sensitised solar cells. Journal of Applied Physics, 2014, 115, .	2.5	8
103	Amplified spontaneous emission from PicoGreen dye intercalated in deoxyribonucleic acid lipid complex. Laser Physics Letters, 2015, 12, 125802.	1.4	8
104	Ag nanowire-assisted low threshold WGM lasing from polymer optical fiber. Optics Letters, 2017, 42, 3820.	3.3	8
105	Title is missing!. Journal of Materials Science Letters, 2000, 19, 499-501.	0.5	7
106	Photoacoustic study on the photostability of polymethyl methacrylate films doped with Rhodamine 6G $\hat{=}$ Rhodamine B dye mixture system. Journal Physics D: Applied Physics, 2005, 38, 2904-2909.	2.8	7
107	Simultaneous determination of nonlinear optical and thermo-optic parameters of liquid samples. Applied Physics Letters, 2006, 89, 231113.	3.3	7
108	LINEAR AND NONLINEAR OPTICAL PROPERTIES OF GOLD NANOPARTICLES STABILIZED WITH POLYVINYL ALCOHOL. Journal of Nonlinear Optical Physics and Materials, 2011, 20, 467-475.	1.8	7

#	ARTICLE	IF	CITATIONS
109	Studies on the effect of mobile phone radiation on DNA using laser induced fluorescence technique. Laser Physics, 2011, 21, 1945-1949.	1.2	7
110	Experimental analysis on the response of long period grating to refractive indices higher and lower than that of fiber cladding. Microwave and Optical Technology Letters, 2012, 54, 2356-2360.	1.4	7
111	Effect of marine derived deoxyribonucleic acid on nonlinear optical properties of PicoGreen dye. Applied Physics B: Lasers and Optics, 2013, 111, 611-615.	2.2	7
112	Origin of optical non-linear response in TiN owing to excitation dynamics of surface plasmon resonance electronic oscillations. Laser Physics Letters, 2014, 11, 085401.	1.4	7
113	Size dependent variation of thermal diffusivity of CdSe nanoparticles based nanofluid using laser induced mode-matched thermal lens technique. Journal of Optics (India), 2015, 44, 85-91.	1.7	7
114	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
115	POF based smart sensor for studying the setting dynamics of cement paste. Journal of Physics: Conference Series, 2007, 85, 012016.	0.4	6
116	Photoacoustic studies on thermal parameters of liquid crystal mixtures. Smart Materials and Structures, 2007, 16, 1298-1301.	3.5	6
117	Thermal characterization of ceramic tapes using photoacoustic effect. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 737-744.	1.8	6
118	Fabrication and Photostability of Rhodamine-6G Gold Nanoparticle Doped Polymer Optical Fiber. Chinese Physics Letters, 2013, 30, 118101.	3.3	6
119	Spectral and Non Radiative Decay Studies of Lead Di Bromide Single Crystals by Mode Matched Thermal Lens Technique. Journal of Fluorescence, 2016, 26, 1161-1165.	2.5	6
120	Carbon dots decorated graphene oxide nanosheets prepared by a novel technique with enhanced nonlinear optical properties. AIP Advances, 2019, 9, 015219.	1.3	6
121	Photochemical Degradation of Curcumin: a Mechanism for Aqueous Based Sensing of Fluoride. Journal of Fluorescence, 2017, 27, 2169-2176.	2.5	5
122	Structural and optical properties of dysprosium doped hydroxyapatite nanoparticles and the use as a bioimaging probe in human cells. Luminescence, 2022, , .	2.9	5
123	Spectral features of laser induced plasma from YBa ₂ Cu ₃ O ₇ and GdBa ₂ Cu ₃ O ₇ highT _c superconductors. Pramana - Journal of Physics, 1989, 32, L693-L698.	1.8	4
124	Damage threshold determination of bulk polymer samples using pulsed photothermal deflection technique. Bulletin of Materials Science, 1992, 15, 183-188.	1.7	4
125	Pulsed photoacoustic technique to study nonlinear processes in liquids: Results in toluene. Pramana - Journal of Physics, 1995, 44, 231-235.	1.8	4
126	Investigation of nonlinear absorption and aggregation in aqueous solutions of rhodamine B using thermal lens technique. Pramana - Journal of Physics, 1999, 52, 435-442.	1.8	4

#	ARTICLE	IF	CITATIONS
127	Emission spectral studies of phthalocyanines in borate glass matrix. Journal of Materials Science Letters, 2000, 19, 1669-1672.	0.5	4
128	Backscattering of laser light from colloidal silica. Laser Physics, 2008, 18, 882-885.	1.2	4
129	Liquid level sensor using etched silica fiber. Microwave and Optical Technology Letters, 2010, 52, 883-886.	1.4	4
130	Experimental verification of localized defect states in Ga-Ge-Se nano colloidal solutions. Journal of Materials Science, 2014, 49, 3732-3735.	3.7	4
131	Ultra-pure silicon nanofluid by laser ablation: thermal diffusivity studies using thermal lens technique. Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	4
132	Time evolution of Nd:YAG laser-induced plasma from GdBa ₂ Cu ₃ O ₇ high-T _c superconductor. Journal Physics D: Applied Physics, 1989, 22, 1558-1561.	2.8	3
133	Observation of two-photon induced photoemission optogalvanic effect. Pramana - Journal of Physics, 1991, 36, 423-427.	1.8	3
134	OBSERVATION OF MULTIPHOTON PROCESS IN LIQUID CS ₂ USING PULSED PHOTOACOUSTIC TECHNIQUE. Modern Physics Letters B, 1995, 09, 871-876.	1.9	3
135	Measurement of thermal diffusivity of some halogeno benzimidazole complexes of cobalt(II), copper (II) and copper(I) using laser induced photoacoustic effect. Journal of Materials Science Letters, 1996, 15, 230-231.	0.5	3
136	Effect of Time Scales on the Unfolding of Neural Attractors. International Journal of Neuroscience, 2001, 111, 175-186.	1.6	3
137	Kinetics of bacterial colony growth by laser induced fluorescence. Laser Physics, 2009, 19, 468-472.	1.2	3
138	LINEAR AND NONLINEAR OPTICAL PROPERTIES OF SILVER NANOPARTICLES STABILIZED BY BOVINE SERUM ALBUMIN. Journal of Nonlinear Optical Physics and Materials, 2011, 20, 75-83.	1.8	3
139	Two photon fluorescence spectra from MEH-PPV/Polystyrene based film waveguides. Journal of Optics (India), 2013, 42, 101-105.	1.7	3
140	Two photon absorption in TeO ₂ -ZnO glass at different laser irradiances. IOP Conference Series: Materials Science and Engineering, 2015, 73, 012090.	0.6	3
141	Charge and Heat Transfer Mechanism in Directly Coupled CdSe/Metal Nanohybrids. Journal of Electronic Materials, 2015, 44, 3581-3585.	2.2	3
142	Solvent Dependency in the Quantum Efficiency of 4-[(4-Aminophenyl)-(4-imino-1-cyclohexa-2, 5-ylidene)amino]phenyl-1,3,5-triazole. Journal of Optics (India), 2018, 47, 405-411.	1.7	3
143	Photoacoustics: a nondestructive evaluation technique for thermal and optical characterisation of metal mirrors. Journal of Optics (India), 2018, 47, 405-411.	1.7	3
144	Invariant Characterization of Neural Systems. International Journal of Neuroscience, 1988, 39, 245-251.	1.6	2

#	ARTICLE	IF	CITATIONS
145	High resolution optogalvanic study in nitrogen discharge. Pramana - Journal of Physics, 1993, 40, 113-118.	1.8	2
146	The photoemission optogalvanic effect in a Ne-Nd hollow cathode. Journal Physics D: Applied Physics, 1994, 27, 2526-2530.	2.8	2
147	Evaluation of electrical conductivity and thermal diffusivity of vanadyl naphthalocyanine. Journal of Materials Science Letters, 1999, 18, 963-964.	0.5	2
148	Title is missing!. Journal of Materials Science Letters, 1999, 18, 1887-1889.	0.5	2
149	Refractive index and temperature dependent displacements of resonant peaks of long period grating inscribed in hydrogen loaded SMF-28 fiber. Optoelectronics Letters, 2012, 8, 101-104.	0.8	2
150	Angular dependent light emission from planar waveguides. Journal of Applied Physics, 2015, 117, 015301.	2.5	2
151	Spectral and Lensing Characteristics of Gel-Derived Strontium Tartrate Single Crystals Using Dual-Beam Thermal Lens Technique. Journal of Fluorescence, 2016, 26, 1549-1554.	2.5	2
152	Influence of Femtosecond Laser Ablated Silver Nanoparticles on the Nonlinear Optical Properties of Basic Fuchsin dye. Plasmonics, 2017, 12, 953-959.	3.4	2
153	Investigations of the of Ag nanosol impact on the nonlinear optical properties of neutral red dye. Optical and Quantum Electronics, 2018, 50, 1.	3.3	2
154	Ultralow duty cycle chopper instigated low power continuous wave laser assisted synthesis of silver nanoparticles: A novel approach. Journal of Laser Applications, 2020, 32, .	1.7	2
155	Studying the role of ZnO nanostructure photoanodes for improving the photovoltaic performance of CdSe QDSSCs. Journal of Materials Science: Materials in Electronics, 2021, 32, 17837-17847.	2.2	2
156	Strange attractors in the Saturn ring system. Earth, Moon and Planets, 1989, 44, 105-119.	0.6	1
157	Characteristics of laser-induced plasma from highT c superconductor. Bulletin of Materials Science, 1991, 14, 545-549.	1.7	1
158	Anomalous variation of thermal lens signal with concentration from rhodamine B in methanol solution. Pramana - Journal of Physics, 1995, 44, 225-229.	1.8	1
159	Fine structure in the time of flight distribution of C2 in laser produced plasma from graphite. Pramana - Journal of Physics, 1997, 49, 317-322.	1.8	1
160	Laser-induced thermal characterization of nano Ag metal dispersed ceramic alumina matrix. , 2003, 5118, 207.		1
161	LED-based fiber optic evanescent wave ammonia sensor. , 2003, 4946, 166.		1
162	Optical engineering by the nanocomposites of ZnO-CdS/TiO ₂ . Optical Engineering, 2011, 50, 069001.	1.0	1

#	ARTICLE	IF	CITATIONS
163	Investigation of optical nonlinear properties of cyanine dye. , 2012, , .		1
164	Effect of nonlinear absorption on electric field applied lead chloride by Z-scan technique. , 2014, , .		1
165	Identifying optimum particle density for random lasing in rhodamine 6G doped zinc oxide nanoparticle colloid. , 2014, , .		1
166	A detailed study of electromagnetic radiation from mobile towers and effect of natural shielding materials. , 2014, , .		1
167	Performance of polymer/CdS organic-inorganic hybrid LEDs. Optoelectronics Letters, 2016, 12, 110-114.	0.8	1
168	The Effect of Polyethylene Glycol on the Formation of Bismuth Titanate Nanosheets and Its Effect on Optical Characteristics. Journal of Cluster Science, 2023, 34, 1437-1444.	3.3	1
169	Detection of phase transitions in liquid crystals using the mirage effect. Liquid Crystals, 1995, 18, 167-169.	2.2	0
170	Vibrational Spectra and Optical Second Harmonic Generation of Europium and Neodymium Doped KTP Crystals. Journal of Optics (India), 2000, 29, 167-177.	1.7	0
171	Fiber optic evanescent wave chromium sensor. , 2002, , .		0
172	Line narrowing effects and enhanced back scattering from ZnO colloids. Journal of Materials Science, 2006, 41, 2387-2391.	3.7	0
173	Fabrication and Characterization of Monolithically Fused Wavelength-Independent 1 μ m – 4 Couplers. Fiber and Integrated Optics, 2007, 26, 245-254.	2.5	0
174	Kinetic Studies of Chemical Reaction using Laser Induced Thermal Lens Technique. Journal of Optics (India), 2008, 37, 43-50.	1.7	0
175	SIZE DEPENDENT SWITCHING FROM REVERSE SATURABLE TO SATURABLE ABSORPTION IN CARBOXYLATE-MODIFIED MICROSPHERES. Journal of Nonlinear Optical Physics and Materials, 2011, 20, 137-143.	1.8	0
176	Power and composition dependent non linear optical switching of TiO ₂ -SiO ₂ nano composites. , 2012, , .		0
177	Stacked chalcogenide and polymer structures for photonic applications. , 2012, , .		0
178	Investigation on nonlinear properties of Ga-Ge-Se nanocolloidal solutions. , 2012, , .		0
179	Size dependent fluorescence tuning of naturally occurring betacyanin with silver nano particles. , 2014, , .		0
180	PicoGreen dye as an active medium for plastic lasers. Proceedings of SPIE, 2015, , .	0.8	0

#	ARTICLE	IF	CITATIONS
181	Studies on Thermal Effects of Mobile Phone Radiation on DNA by Thermal Lens Technique. , 2012, , .		0
182	A High Voltage Switching Type Power Supply For He-Ne Laser. Journal of Optics (India), 1990, 19, 117-118.	1.7	0
183	A Voltage Sensor Using Polarization Maintaining Fiber. Journal of Optics (India), 1997, 26, 95-98.	1.7	0
184	Investigation of third-order optical nonlinearity in Triazatriangulenium salt using Z-scan technique. , 2016, , .		0
185	Investigations on Thin Film Saturable Absorbers Suitable for Optical Phase Conjugation. Journal of Optics (India), 1988, 17, 24-26.	1.7	0
186	Probability Distribution of Irradiance Fluctuations of a Laser Beam Propagated Through Laboratory Simulated Turbulence. Journal of Optics (India), 1988, 17, 87-90.	1.7	0