

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	The Effect of Polyethylene Glycol on the Formation of Bismuth Titanate Nanosheets and Its Effect on Optical Characteristics. <i>Journal of Cluster Science</i> , 2023, 34, 1437-1444.	3.3	1
2	Structural and optical properties of dysprosium-doped hydroxyapatite nanoparticles and the use as a bioimaging probe in human cells. <i>Luminescence</i> , 2022, , .	2.9	5
3	Optical characterization and tunable antibacterial properties of gold nanoparticles with common proteins. <i>Analytical Biochemistry</i> , 2021, 612, 113975.	2.4	33
4	The impact of ZnO nanoparticle size on the performance of photoanodes in DSSC and QDSSC: a comparative study. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 3167-3179.	2.2	13
5	Solvent assisted evolution and growth mechanism of zero to three dimensional ZnO nanostructures for dye sensitized solar cell applications. <i>Scientific Reports</i> , 2021, 11, 6159.	3.3	27
6	Studying the role of ZnO nanostructure photoanodes for improving the photovoltaic performance of CdSe QDSSCs. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 17837-17847.	2.2	2
7	Ultralow duty cycle chopper instigated low power continuous wave laser assisted synthesis of silver nanoparticles: A novel approach. <i>Journal of Laser Applications</i> , 2020, 32, .	1.7	2
8	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
9	Carbon dots decorated graphene oxide nanosheets prepared by a novel technique with enhanced nonlinear optical properties. <i>AIP Advances</i> , 2019, 9, 015219.	1.3	6
10	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
11	Investigations of the of Ag nanosol impact on the nonlinear optical properties of neutral red dye. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	3.3	2
12	Ultra-pure silicon nanofluid by laser ablation: thermal diffusivity studies using thermal lens technique. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	2.2	4
13	Photoacoustics: a nondestructive evaluation technique for thermal and optical characterisation of metal mirrors. <i>Journal of Optics (India)</i> , 2018, 47, 405-411.	1.7	3
14	Photoluminescence and optical nonlinearity of CdS quantum dots synthesized in a functional copolymer hydrogel template. <i>New Journal of Chemistry</i> , 2017, 41, 3524-3536.	2.8	12
15	Photochemical Degradation of Curcumin: a Mechanism for Aqueous Based Sensing of Fluoride. <i>Journal of Fluorescence</i> , 2017, 27, 2169-2176.	2.5	5
16	Influence of Femtosecond Laser Ablated Silver Nanoparticles on the Nonlinear Optical Properties of Basic Fuchsin dye. <i>Plasmonics</i> , 2017, 12, 953-959.	3.4	2
17	Ag nanowire-assisted low threshold WGM lasing from polymer optical fiber. <i>Optics Letters</i> , 2017, 42, 3820.	3.3	8
18	Spectral and Non Radiative Decay Studies of Lead Di Bromide Single Crystals by Mode Matched Thermal Lens Technique. <i>Journal of Fluorescence</i> , 2016, 26, 1161-1165.	2.5	6

#	ARTICLE	IF	CITATIONS
19	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
20	Tuning whispering gallery lasing modes from polymer fibers under tensile strain. Optics Letters, 2016, 41, 551.	3.3	26
21	Performance of polymer/CdS organic-inorganic hybrid LEDs. Optoelectronics Letters, 2016, 12, 110-114.	0.8	1
22	Investigation of third-order optical nonlinearity in Triazatriangulenium salt using Z-scan technique. , 2016, , .		0
23	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
24	Charge and Heat Transfer Mechanism in Directly Coupled CdSe@Metal Nanohybrids. Journal of Electronic Materials, 2015, 44, 3581-3585.	2.2	3
25	PicoGreen dye as an active medium for plastic lasers. Proceedings of SPIE, 2015, , .	0.8	0
26	Amplified spontaneous emission from PicoGreen dye intercalated in deoxyribonucleic acid lipid complex. Laser Physics Letters, 2015, 12, 125802.	1.4	8
27	Solvent Dependency in the Quantum Efficiency of 4-[(4-Aminophenyl)-(4-imino-1-cyclohexa-2, 5-) Tj ETQq1 1 0.784314 rgBT /Overloc	2.5	3
28	Angular dependent light emission from planar waveguides. Journal of Applied Physics, 2015, 117, 015301.	2.5	2
29	Microring embedded hollow polymer fiber laser. Applied Physics Letters, 2015, 106, 131101.	3.3	18
30	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
31	Size Dependent Optical Nonlinearity and Optical Limiting Properties of Water Soluble CdSe Quantum Dots. Journal of Nanoscience, 2014, 2014, 1-7.	2.6	10
32	Size dependent fluorescence tuning of naturally occurring betacyanin with silver nano particles. , 2014, , .		0
33	Effect of nonlinear absorption on electric field applied lead chloride by Z-scan technique. , 2014, , .		1
34	Identifying optimum particle density for random lasing in rhodamine 6G doped zinc oxide nanoparticle colloid. , 2014, , .		1
35	Electrolyte/photoanode engineered performance of TiO ₂ based dye sensitised solar cells. Journal of Applied Physics, 2014, 115, .	2.5	8
36	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

#	ARTICLE	IF	CITATIONS
37	A detailed study of electromagnetic radiation from mobile towers and effect of natural shielding materials. , 2014, , .		1
38	Studies of nonlinear optical properties of PicoGreen dye using Z-scan technique. Applied Physics A: Materials Science and Processing, 2014, 115, 291-295.	2.3	35
39	Intermediate Ce ³⁺ defect level induced photoluminescence and third-order nonlinear optical effects in TiO ₂ @CeO ₂ nanocomposites. Applied Physics A: Materials Science and Processing, 2014, 114, 315-321.	2.3	18
40	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
41	Experimental verification of localized defect states in Ga-Ge-Se nano colloidal solutions. Journal of Materials Science, 2014, 49, 3732-3735.	3.7	4
42	Random lasing with enhanced photostability of silver nanoparticle doped polymer optical fiber laser. Laser Physics Letters, 2014, 11, 055108.	1.4	20
43	Measurement of Absolute Fluorescence Quantum Yield of Basic Fuchsin Solution Using a Dual-Beam Thermal Lens Technique. Journal of Fluorescence, 2014, 24, 895-898.	2.5	18
44	Variations in fluorescence quantum yield of basic fuchsin with silver nanoparticles prepared by femtosecond laser ablation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 522-526.	3.9	15
45	Concentration tuned bandgap and corresponding nonlinear refractive index dispersion in Ga-Ge-Se nanocolloids. Journal of Applied Physics, 2013, 114, .	2.5	11
46	Two photon fluorescence spectra from MEH-PPV/Polystyrene based film waveguides. Journal of Optics (India), 2013, 42, 101-105.	1.7	3
47	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
48	Fabrication and Photostability of Rhodamine-6G Gold Nanoparticle Doped Polymer Optical Fiber. Chinese Physics Letters, 2013, 30, 118101.	3.3	6
49	Impact of intermediate localized states on nonlinear optical absorption of Ga-Ge-Se nanocolloidal solutions. Applied Physics Letters, 2013, 102, 031115.	3.3	12
50	Laser emission from the whispering gallery modes of a graded index fiber. Optics Letters, 2013, 38, 3261.	3.3	24
51	Microring lasing from a dye-doped polymer-coated silica fiber. Laser Physics, 2013, 23, 115104.	1.2	11
52	Investigation of optical nonlinear properties of cyanine dye. , 2012, , .		1
53	Power and composition dependent non linear optical switching of TiO ₂ -SiO ₂ nano composites. , 2012, , .		0
54	Studies on CdS nanoparticles prepared in DNA and bovine serum albumin based biotemplates. Journal of Applied Physics, 2012, 112, .	2.5	14

#	ARTICLE	IF	CITATIONS
55	Stacked chalcogenide and polymer structures for photonic applications. , 2012, , .		0
56	Investigation on nonlinear properties of Ga-Ge-Se nanocolloidal solutions. , 2012, , .		0
57	UV-Visible Photoluminescence of TiO ₂ Nanoparticles Prepared by Hydrothermal Method. Journal of Fluorescence, 2012, 22, 1563-1569.	2.5	170
58	Band-gap tuning and nonlinear optical characterization of Ag:TiO ₂ nanocomposites. Journal of Applied Physics, 2012, 112, .	2.5	33
59	Size dependent optical properties of the CdSe-CdS core-shell quantum dots in the strong confinement regime. Journal of Applied Physics, 2012, 111, .	2.5	44
60	Effect of betanin natural dye extracted from red beet root on the non linear optical properties ZnO nanoplates embedded in polymeric matrices. Journal of Applied Physics, 2012, 112, .	2.5	17
61	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
62	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
63	Saturable and reverse saturable absorption in aqueous silver nanoparticles at off-resonant wavelength. Optical and Quantum Electronics, 2012, 43, 49-58.	3.3	55
64	Nonlinear optical characterization and measurement of optical limiting threshold of CdSe quantum dots prepared by a microemulsion technique. Journal of Materials Science: Materials in Electronics, 2012, 23, 739-745.	2.2	17
65	Studies on Thermal Effects of Mobile Phone Radiation on DNA by Thermal Lens Technique. , 2012, , .		0
66	Effect of deoxyribonucleic acid on nonlinear optical properties of Rhodamine 6G-polyvinyl alcohol solution. Journal of Applied Physics, 2011, 109, .	2.5	29
67	OPTICAL LIMITING IN TeO ₂ /ZnO GLASS FROM Z-SCAN TECHNIQUE. Journal of Nonlinear Optical Physics and Materials, 2011, 20, 351-356.	1.8	9
68	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
69	Studies on the effect of mobile phone radiation on DNA using laser induced fluorescence technique. Laser Physics, 2011, 21, 1945-1949.	1.2	7
70	Shifting of Fluorescence Peak in CdS Nanoparticles by Excitation Wavelength Change. Journal of Fluorescence, 2011, 21, 1479-1484.	2.5	22
71	Optical engineering by the nanocomposites of ZnO-CdS/TiO ₂ . Optical Engineering, 2011, 50, 069001.	1.0	1
72	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

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	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
76	Photothermal Characterization of Nanogold Under Conditions of Resonant Excitation and Energy Transfer. Plasmonics, 2010, 5, 63-68.	3.4	20
77	A microring multimode laser using hollow polymer optical fibre. Pramana - Journal of Physics, 2010, 75, 923-927.	1.8	15
78	Liquid level sensor using etched silica fiber. Microwave and Optical Technology Letters, 2010, 52, 883-886.	1.4	4
79	Nonlinear optical studies on nanocolloidal GaSbGeSe chalcogenide glass. Journal of Applied Physics, 2010, 108, .	2.5	25
80	Fast imaging of laser-blow-off plume: Lateral confinement in ambient environment. Applied Physics Letters, 2009, 94, .	3.3	17
81	Kinetics of bacterial colony growth by laser induced fluorescence. Laser Physics, 2009, 19, 468-472.	1.2	3
82	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
83	Backscattering of laser light from colloidal silica. Laser Physics, 2008, 18, 882-885.	1.2	4
84	Size-dependent enhancement of nonlinear optical properties in nanocolloids of ZnO. Journal of Applied Physics, 2008, 103, .	2.5	115
85	Spectral and nonlinear optical characteristics of nanocomposites of ZnO-CdS. Journal of Applied Physics, 2008, 103, .	2.5	81
86	Linear and nonlinear optical characteristics of ZnO-SiO ₂ nanocomposites. Applied Optics, 2008, 47, 4345.	2.1	24
87	Kinetic Studies of Chemical Reaction using Laser Induced Thermal Lens Technique. Journal of Optics (India), 2008, 37, 43-50.	1.7	0
88	Visible luminescence mechanism in nano ZnO under weak confinement regime. Journal of Applied Physics, 2008, 104, 113112.	2.5	17
89	Effect of annealing on the spectral and nonlinear optical characteristics of thin films of nano-ZnO. Journal of Applied Physics, 2008, 104, .	2.5	53
90	Excitation wavelength dependent fluorescence behaviour of nano colloids of ZnO. Journal Physics D: Applied Physics, 2007, 40, 5670-5674.	2.8	80

#	ARTICLE	IF	CITATIONS
91	Fabrication and Characterization of Monolithically Fused Wavelength-Independent 1 Å– 4 Couplers. Fiber and Integrated Optics, 2007, 26, 245-254.	2.5	0
92	POF based smart sensor for studying the setting dynamics of cement paste. Journal of Physics: Conference Series, 2007, 85, 012016.	0.4	6
93	Photoacoustic studies on thermal parameters of liquid crystal mixtures. Smart Materials and Structures, 2007, 16, 1298-1301.	3.5	6
94	Size dependent fluorescence spectroscopy of nanocolloids of ZnO. Journal of Applied Physics, 2007, 102, .	2.5	163
95	Thermal lens technique to study the effect of pH on electronic energy transfer in organic dye mixtures. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 678-682.	3.9	16
96	Thermal characterization of ceramic tapes using photoacoustic effect. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 737-744.	1.8	6
97	Photoacoustic Thermal Characterization of Porous Rare-Earth Phosphate Ceramics. International Journal of Thermophysics, 2007, 28, 123-132.	2.1	14
98	Line narrowing effects and enhanced back scattering from ZnO colloids. Journal of Materials Science, 2006, 41, 2387-2391.	3.7	0
99	Spectral dependence of third order nonlinear optical susceptibility of zinc phthalocyanine. Journal of Applied Physics, 2006, 100, 053109.	2.5	55
100	Simultaneous determination of nonlinear optical and thermo-optic parameters of liquid samples. Applied Physics Letters, 2006, 89, 231113.	3.3	7
101	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
102	Photoacoustic study on the photostability of polymethyl methacrylate films doped with Rhodamine 6G in Rhodamine B dye mixture system. Journal Physics D: Applied Physics, 2005, 38, 2904-2909.	2.8	7
103	Thermal characterization of doped polyaniline and its composites with CoPc. Physical Review B, 2004, 69, .	3.2	32
104	Long-period grating in multimode fiber for ammonia gas detection. , 2004, , .		8
105	COMPLEXITY QUANTIFICATION OF DENSE ARRAY EEG USING SAMPLE ENTROPY ANALYSIS. Journal of Integrative Neuroscience, 2004, 03, 343-358.	1.7	33
106	Effect of silver nano particles on the fluorescence quantum yield of Rhodamine 6G determined using dual beam thermal lens method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 1077-1083.	3.9	56
107	NIR to UV absorption spectra and the optical constants of phthalocyanines in glassy medium. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2003, 59, 1-11.	3.9	36
108	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

#	ARTICLE	IF	CITATIONS
109	Photoacoustic measurement of transport properties in doped GaAs epitaxial layers. Physica Status Solidi A, 2003, 195, 416-421.	1.7	8
110	Effect of Te doping on thermal diffusivity of Bi ₂ Se ₃ crystals: A study using open cell photoacoustic technique. Physica Status Solidi A, 2003, 196, 384-389.	1.7	16
111	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
112	Evanescent wave fibre optic sensors for trace analysis of Fe ³⁺ in water. Measurement Science and Technology, 2003, 14, 858-861.	2.6	21
113	Photothermal deflection measurement on heat transport in GaAs epitaxial layers. Physical Review B, 2003, 68, .	3.2	24
114	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
115	Nonlinear optical absorption in silver nanosol. Journal Physics D: Applied Physics, 2003, 36, 1242-1245.	2.8	60
116	Thermal characterization of intrinsic and extrinsic InP using photoacoustic technique. Journal Physics D: Applied Physics, 2003, 36, 990-993.	2.8	9
117	Laser-induced thermal characterization of nano Ag metal dispersed ceramic alumina matrix. , 2003, 5118, 207.		1
118	LED-based fiber optic evanescent wave ammonia sensor. , 2003, 4946, 166.		1
119	A fibre optic evanescent wave sensor used for the detection of trace nitrites in water. Journal of Optics, 2002, 4, 247-250.	1.5	51
120	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
121	Fiber optic evanescent wave chromium sensor. , 2002, , .		0
122	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
123	Realization of Optical Logic Gates Using the Thermal Lens Effect. Laser Chemistry, 2002, 20, 81-87.	0.5	8
124	Chemical sensing with microbent optical fiber. Optics Letters, 2001, 26, 1541.	3.3	65
125	Effect of Time Scales on the Unfolding of Neural Attractors. International Journal of Neuroscience, 2001, 111, 175-186.	1.6	3
126	Optical absorption and emission spectral studies of phthalocyanine molecules in DMF. Journal of Porphyrins and Phthalocyanines, 2001, 05, 456-459.	0.8	20

#	ARTICLE	IF	CITATIONS
127	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
128	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
129	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
130	A sensitive fibre optic pH sensor using multiple sol-gel coatings. Journal of Optics, 2001, 3, 355-359.	1.5	60
131	Physical and optical properties of phthalocyanine doped inorganic glasses. Journal of Materials Science, 2000, 35, 2539-2542.	3.7	32
132	Title is missing!. Journal of Materials Science Letters, 2000, 19, 499-501.	0.5	7
133	Emission spectral studies of phthalocyanines in borate glass matrix. Journal of Materials Science Letters, 2000, 19, 1669-1672.	0.5	4
134	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
135	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
136	SOLVENT EFFECT ON ABSOLUTE FLUORESCENCE QUANTUM YIELD OF RHODAMINE 6G DETERMINED USING TRANSIENT THERMAL LENS TECHNIQUE. Modern Physics Letters B, 1999, 13, 563-576.	1.9	58
137	Photoacoustic study of the effect of hydroxyl ion on thermal diffusivity of $\hat{\Gamma}^3$ alumina. Journal of Applied Physics, 1999, 85, 1987-1988.	2.5	8
138	Significance of Time Scales in Nonlinear Dynamical Analysis of Electroencephalogram Signals. International Journal of Neuroscience, 1999, 99, 181-194.	1.6	14
139	Evaluation of electrical conductivity and thermal diffusivity of vanadyl naphthalocyanine. Journal of Materials Science Letters, 1999, 18, 963-964.	0.5	2
140	Title is missing!. Journal of Materials Science Letters, 1999, 18, 1887-1889.	0.5	2
141	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
142	Optical limiting and thermal lensing studies in C60. Journal of Applied Physics, 1999, 86, 1388-1392.	2.5	74
143	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
144	Influence of ambient gas on the temperature and density of laser produced carbon plasma. Applied Physics Letters, 1998, 72, 167-169.	3.3	122

#	ARTICLE	IF	CITATIONS
145	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
146	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
147	Time Resolved Analysis of C ₂ Emission from Laser Induced Graphite Plasma in Helium Atmosphere. <i>Japanese Journal of Applied Physics</i> , 1997, 36, 134-138.	1.5	13
148	Spatial analysis of band emission from laser produced plasma. <i>Plasma Sources Science and Technology</i> , 1997, 6, 317-322.	3.1	12
149	Emission characteristics and dynamics of C ₂ from laser produced graphite plasma. <i>Journal of Applied Physics</i> , 1997, 81, 3637-3643.	2.5	52
150	Optical emission studies of species in laser-produced plasma from carbon. <i>Journal Physics D: Applied Physics</i> , 1997, 30, 1703-1709.	2.8	74
151	Electron density and temperature measurements in a laser produced carbon plasma. <i>Journal of Applied Physics</i> , 1997, 82, 2140-2146.	2.5	317
152	Fine structure in the time of flight distribution of C ₂ in laser produced plasma from graphite. <i>Pramana - Journal of Physics</i> , 1997, 49, 317-322.	1.8	1
153	A Voltage Sensor Using Polarization Maintaining Fiber. <i>Journal of Optics (India)</i> , 1997, 26, 95-98.	1.7	0
154	Measurement of the absolute fluorescence quantum yield of rhodamine B solution using a dual-beam thermal lens technique. <i>Journal Physics D: Applied Physics</i> , 1996, 29, 1074-1079.	2.8	80
155	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
156	Measurement of thermal diffusivity of some halogeno benzimidazole complexes of cobalt(II), copper (II) and copper(I) using laser induced photoacoustic effect. <i>Journal of Materials Science Letters</i> , 1996, 15, 230-231.	0.5	3
157	Temporal and spatial evolution of C ₂ in laser induced plasma from graphite target. <i>Journal of Applied Physics</i> , 1996, 80, 3561-3565.	2.5	78
158	Anomalous variation of thermal lens signal with concentration from rhodamine B in methanol solution. <i>Pramana - Journal of Physics</i> , 1995, 44, 225-229.	1.8	1
159	Pulsed photoacoustic technique to study nonlinear processes in liquids: Results in toluene. <i>Pramana - Journal of Physics</i> , 1995, 44, 231-235.	1.8	4
160	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
161	LASER INDUCED THERMAL LENS EFFECT IN RHODAMINE B – SIGNATURE OF RESONANT TWO PHOTON ABSORPTION. <i>Modern Physics Letters B</i> , 1995, 09, 1471-1477.	1.9	8
162	OBSERVATION OF MULTIPHOTON PROCESS IN LIQUID CS ₂ USING PULSED PHOTOACOUSTIC TECHNIQUE. <i>Modern Physics Letters B</i> , 1995, 09, 871-876.	1.9	3

#	ARTICLE	IF	CITATIONS
163	Detection of phase transitions in liquid crystals using the mirage effect. <i>Liquid Crystals</i> , 1995, 18, 167-169.	2.2	0
164	The photoemission optogalvanic effect in a Ne-Nd hollow cathode. <i>Journal Physics D: Applied Physics</i> , 1994, 27, 2526-2530.	2.8	2
165	Temporal and spatial evolution of laser ablated plasma from YBa ₂ Cu ₃ O ₇ . <i>Applied Physics Letters</i> , 1994, 64, 3377-3379.	3.3	34
166	Photoacoustic observation of excited singlet state absorption in the laser dye rhodamine 6G. <i>Journal Physics D: Applied Physics</i> , 1994, 27, 2019-2022.	2.8	21
167	High resolution optogalvanic study in nitrogen discharge. <i>Pramana - Journal of Physics</i> , 1993, 40, 113-118.	1.8	2
168	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
169	Photoemission optogalvanic effect studies in N ₂ , NO ₂ and Ar discharges under pulsed laser excitation. <i>Journal Physics D: Applied Physics</i> , 1993, 26, 1-3.	2.8	27
170	Use of mirage effect for the detection of phase transitions in solids. <i>Measurement Science and Technology</i> , 1993, 4, 435-437.	2.6	9
171	Measurement of laser ablation threshold on doped BiSrCaCuO high temperature superconductors by the pulsed photothermal deflection technique. <i>Journal of Applied Physics</i> , 1993, 74, 2004-2007.	2.5	12
172	Determination of the laser-induced damage threshold of bulk polymer samples at 1.06 μ m using the pulsed photothermal deflection technique. <i>Measurement Science and Technology</i> , 1993, 4, 591-595.	2.6	8
173	Characteristics of two-photon absorption in methanol solutions of Rhodamine 6G using laser induced pulsed photoacoustics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1992, 25, 155-161.	1.5	8
174	Damage threshold determination of bulk polymer samples using pulsed photothermal deflection technique. <i>Bulletin of Materials Science</i> , 1992, 15, 183-188.	1.7	4
175	High power N ₂ laser with a modified gas flow system and discharge geometry. <i>Review of Scientific Instruments</i> , 1991, 62, 2076-2079.	1.3	8
176	Observation of two-photon induced photoemission optogalvanic effect. <i>Pramana - Journal of Physics</i> , 1991, 36, 423-427.	1.8	3
177	Evaluation of laser ablation threshold in polymer samples using pulsed photoacoustic technique. <i>Pramana - Journal of Physics</i> , 1991, 37, 345-351.	1.8	9
178	Characteristics of laser-induced plasma from high T _c superconductor. <i>Bulletin of Materials Science</i> , 1991, 14, 545-549.	1.7	1
179	Fluorescence quantum yield of rhodamine 6G using pulsed photoacoustic technique. <i>Pramana - Journal of Physics</i> , 1990, 34, 585-590.	1.8	8
180	A High Voltage Switching Type Power Supply For He-Ne Laser. <i>Journal of Optics (India)</i> , 1990, 19, 117-118.	1.7	0

#	ARTICLE	IF	CITATIONS
181	Time evolution of Nd:YAG laser-induced plasma from GdBa ₂ Cu ₃ O ₇ high-T _c superconductor. Journal of Applied Physics, 1989, 22, 1558-1561.	2.8	3
182	Spectral features of laser induced plasma from YBa ₂ Cu ₃ O ₇ and GdBa ₂ Cu ₃ O ₇ high T _c superconductors. Pramana - Journal of Physics, 1989, 32, L693-L698.	1.8	4
183	Strange attractors in the Saturn ring system. Earth, Moon and Planets, 1989, 44, 105-119.	0.6	1
184	Invariant Characterization of Neural Systems. International Journal of Neuroscience, 1988, 39, 245-251.	1.6	2
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