

Sri Ram Gopal Naraharisetty

List of Publications by Year in descending order

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29
papers

658
citations

623734

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25
g-index

29
all docs

29
docs citations

29
times ranked

626
citing authors

#	ARTICLE	IF	CITATIONS
1	A relaxation-assisted 2D IR spectroscopy method. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14209-14214.	7.1	142
2	Bond connectivity measured via relaxation-assisted two-dimensional infrared spectroscopy. Journal of Chemical Physics, 2008, 128, 104502.	3.0	67
3	Dual-Frequency 2D IR on Interaction of Weak and Strong IR Modes. Journal of Physical Chemistry A, 2005, 109, 10799-10802.	2.5	60
4	C ¹³ D Modes of Deuterated Side Chain of Leucine as Structural Reporters via Dual-frequency Two-dimensional Infrared Spectroscopy. Journal of Physical Chemistry B, 2009, 113, 4940-4946.	2.6	50
5	Chiral organic photonics: self-assembled micro-resonators for an enhanced circular dichroism effect in the non-linear optical signal. Journal of Materials Chemistry C, 2017, 5, 12349-12353.	5.5	40
6	C ¹³ D Modes as structural reporters via dual-frequency 2DIR spectroscopy. Chemical Physics Letters, 2007, 437, 262-266.	2.6	38
7	A third-order nonlinear optical single crystal of 3,4-dimethoxy-substituted chalcone derivative with high laser damage threshold value: a potential material for optical power limiting. Journal of Materials Science: Materials in Electronics, 2020, 31, 9133-9150.	2.2	31
8	Terahertz radiation and second-harmonic generation from a single-component polar organic ferroelectric crystal. Journal of Materials Chemistry C, 2018, 6, 9330-9335.	5.5	28
9	Saturable and reverse saturable absorption of a Cu ₂ O@Ag nanoheterostructure. Journal of Materials Science, 2019, 54, 188-199.	3.7	28
10	2D Arrangement of Polymer Microsphere Photonic Cavities Doped with Novel N-Rich Carbon Quantum Dots Display Enhanced One- and Two-Photon Luminescence Driven by Optical Resonances. Advanced Optical Materials, 2017, 5, 1700695.	7.3	21
11	A Two-Photon Pumped Supramolecular Upconversion Microresonator. ChemNanoMat, 2018, 4, 764-768.	2.8	19
12	Photonic Microresonators from Charge Transfer in Polymer Particles: Toward Enhanced and Tunable Two-Photon Emission. ACS Applied Materials & Interfaces, 2018, 10, 16723-16730.	8.0	17
13	High Optical Energy Storage and Two-Photon Luminescence from Solution-Processed Perovskite-Polystyrene Composite Microresonators. ACS Applied Energy Materials, 2019, 2, 428-435.	5.1	15
14	Broadband absorption of nanostructured stainless steel surface fabricated by nanosecond laser irradiation. Nanotechnology, 2020, 31, 175301.	2.6	15
15	A long-chain based bromo and methyl substituted chalcone derivatives; experimental and theoretical approach on nonlinear optical single crystals. Materials Research Express, 2020, 7, 055101.	1.6	15
16	Controlled periodicities of ladder-like structures via femtosecond laser of wavelength from 400 nm to 2200 nm. Surfaces and Interfaces, 2022, 28, 101622.	3.0	11
17	Ultrafast laser-induced reproducible nano-gratings on a molybdenum surface. Laser Physics Letters, 2017, 14, 026101.	1.4	10
18	Ellipsoidal droplet formation on anisotropic superhydrophobic copper surface. Surface Topography: Metrology and Properties, 2019, 7, 035001.	1.6	9

#	ARTICLE	IF	CITATIONS
19	Mechanically and thermally stable thin sheets of broadband antireflection surfaces fabricated by femtosecond lasers. <i>Optics and Laser Technology</i> , 2022, 150, 107935.	4.6	8
20	Relaxation-Assisted 2D IR Using Weak Vibrational Modes. <i>Springer Series in Chemical Physics</i> , 2007, , 344-346.	0.2	7
21	The validity of triple contact line theory from hydrophilic to superhydrophobic surfaces. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 055305.	2.8	7
22	Ultrafast pump-probe signal detection using a data acquisition card. <i>Journal of Instrumentation</i> , 2018, 13, P10027-P10027.	1.2	5
23	Optical and biomedical applications of eco-friendly biosynthesized silver nano spheres using zingiber officinale root extract. <i>Nano Express</i> , 2020, 1, 010021.	2.4	5
24	Synthesis, Crystal Structure, Biological Evaluation, DFT Calculations and Third Order Nonlinear Optical Studies of Pyrazolines. <i>Journal of Molecular Structure</i> , 2021, 1243, 130780.	3.6	5
25	Novel synthesis and study of nonlinear absorption and surface-enhanced Raman scattering of carbon nanotubes decorated with silver nanoparticles. <i>Chemical Physics</i> , 2020, 533, 110703.	1.9	2
26	Relaxation-Assisted Dual-Frequency Two-Dimensional Infrared Spectroscopy: Measuring Distances and Bond Connectivity. <i>Springer Series in Chemical Physics</i> , 2009, , 400-402.	0.2	1
27	The 2DIR Spectroscopy on C-D Modes of Leucined10 Side Chain. <i>Springer Series in Chemical Physics</i> , 2009, , 592-594.	0.2	1
28	Super Black Stainless Steel Surface Fabricated by Nanosecond Laser Irradiation. , 2020, , .		1
29	ABCD Matrix formalism to Determine Nonlinear Refraction Coefficient by Z-Scan Technique. <i>Current Science</i> , 2017, 112, 1015.	0.8	0