

Vinu V Namboodiri

List of Publications by Year in descending order

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25
papers

426
citations

840119

11
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713013

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all docs

25
docs citations

25
times ranked

601
citing authors

#	ARTICLE	IF	CITATIONS
1	How Ions Affect the Structure of Water: A Combined Raman Spectroscopy and Multivariate Curve Resolution Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 16479-16485.	1.2	72
2	Spectral dependence of third order nonlinear optical susceptibility of zinc phthalocyanine. <i>Journal of Applied Physics</i> , 2006, 100, 053109.	1.1	55
3	How Osmolyte and Denaturant Affect Water at the Air-Water Interface and in Bulk: A Heterodyne-Detected Vibrational Sum Frequency Generation (HD-VSFG) and Hydration Shell Spectroscopic Study. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10252-10260.	1.5	45
4	Surface-enhanced femtosecond CARS spectroscopy (SE-CARS) on pyridine. <i>Vibrational Spectroscopy</i> , 2011, 56, 9-12.	1.2	37
5	On the intermolecular vibrational coupling, hydrogen bonding, and librational freedom of water in the hydration shell of mono- and bivalent anions. <i>Journal of Chemical Physics</i> , 2014, 141, 164708.	1.2	36
6	Alkyl Chain Length Dependent Structural and Orientational Transformations of Water at Alcohol-Water Interfaces and Its Relevance to Atmospheric Aerosols. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1637-1644.	2.1	33
7	Application of feedback-controlled pulse shaping for control of CARS spectra: the role of phase and amplitude modulation. <i>Journal of Raman Spectroscopy</i> , 2007, 38, 1006-1021.	1.2	27
8	Basic principles of ultrafast Raman loss spectroscopy#. <i>Journal of Chemical Sciences</i> , 2012, 124, 177-186.	0.7	15
9	Investigation of molecular dynamics in β -carotene using femtosecond pump-FWM spectroscopy. <i>Laser Physics</i> , 2009, 19, 154-161.	0.6	13
10	Application of plasma for efficient H ₂ production: A realism of copper electrode in single dielectric barrier discharge reactor. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	13
11	A comparison of the selective excitation of molecular modes in gas and liquid phase using femtosecond pulse shaping. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 739-749.	1.2	12
12	Studies on the nonlinear optical properties of rf plasma polymerized aniline thin films by open aperture z-scan technique. <i>Synthetic Metals</i> , 2010, 160, 1704-1707.	2.1	11
13	Femtosecond CARS on molecules exhibiting ring puckering vibration in gas and liquid phase. <i>Chemical Physics Letters</i> , 2006, 433, 19-27.	1.2	10
14	Vibrational dynamics of excited electronic states of molecular iodine. <i>Journal of Chemical Physics</i> , 2007, 127, 144305.	1.2	8
15	Simultaneous determination of nonlinear optical and thermo-optic parameters of liquid samples. <i>Applied Physics Letters</i> , 2006, 89, 231113.	1.5	7
16	Ultrafast vibrational dynamics observed in higher electronic excited states of iodine using pump-UV DFWM spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 983-989.	1.3	7
17	Nonlinear spectroscopy in the near-field: time resolved spectroscopy and subwavelength resolution non-invasive imaging. <i>Nanophotonics</i> , 2014, 3, 61-73.	2.9	7
18	Influence of Electronic Resonances on Mode Selective Excitation with Tailored Laser Pulses. <i>Journal of Physical Chemistry A</i> , 2008, 112, 1380-1391.	1.1	6

#	ARTICLE	IF	CITATIONS
19	Two-photon resonances in femtosecond time-resolved four-wave mixing spectroscopy: β -carotene. Journal of Chemical Physics, 2010, 133, 054503.	1.2	6
20	Effect of ω -OH functionalization, C2 methylation, and high radiation fields on the non-linear optical response of imidazolium ionic liquids. Applied Physics B: Lasers and Optics, 2017, 123, 1.	1.1	3
21	Refractive index measurement using multimode fibers with long period grating. , 2004, 5459, 415.		1
22	Nonlinear Raman Techniques in Femtosecond Time Resolved Spectroscopy for the Analysis and Control of Molecular Dynamics. , 2008, , .		1
23	Binding Constant Determined from the Angstrom-Scale Change in Hydrodynamic Radius of Transferrin upon Binding with Europium Using Dual-Focus Fluorescence Correlation Spectroscopy. Journal of Physical Chemistry Letters, 2020, 11, 1148-1153.	2.1	1
24	Femtosecond Time-Resolved Observation of Hot Vibrational States in Carotenoides. , 2010, , .		0
25	Femtosecond Coherent Anti-Stokes Raman Spectroscopy (fs-CARS) with Nitrobenzene and Nitomethane. Proceedings of the Indian National Science Academy, 2015, 81, .	0.5	0