

Deepu George

List of Publications by Year in descending order

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47
papers

585
citations

840119

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all docs

47
docs citations

47
times ranked

1056
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-Field Stationary Sample Terahertz Spectroscopic Polarimetry for Biomolecular Structural Dynamics Determination. ACS Photonics, 2021, 8, 658-668.	3.2	12
2	Phonon Kinetics of Fructose at the Melting Transition. Journal of Physical Chemistry C, 2021, 125, 12269-12276.	1.5	1
3	Photo-Switching of Protein Dynamical Collectivity. Photonics, 2021, 8, 302.	0.9	2
4	Functional-State Dependence of Picosecond Protein Dynamics. Journal of Physical Chemistry B, 2021, 125, 11134-11140.	1.2	3
5	Linear dichroism infrared resonance in overdoped, underdoped, and optimally doped cuprate superconductors. Physical Review B, 2020, 102, .	1.1	4
6	Is the Protein Dynamical Transition useful?. Biophysical Journal, 2020, 118, 521a.	0.2	0
7	Protein and RNA dynamical fingerprinting. Nature Communications, 2019, 10, 1026.	5.8	72
8	The Effect of Crystal Contact Forces on the Protein Global Motions. Biophysical Journal, 2019, 116, 489a.	0.2	0
9	Anisotropic Terahertz Microscopy of Protein Collective Vibrations: Crystal Symmetry and Hydration Dependence. , 2019, , .		0
10	Stationary Sample Anisotropic THz Spectroscopy Using Discretely Tunable THz Sources. , 2019, 2019, .		0
11	Tunable compact narrow band THz sources for frequency domain THz anisotropic spectroscopy. , 2019, 10983, .		1
12	A frequency-domain non-contact photoacoustic microscope based on an adaptive interferometer. Journal of Biophotonics, 2018, 11, e201700278.	1.1	6
13	THz Anisotropy Identification using Tunable Compact Narrow Band THz Sources. , 2018, 2018, .		0
14	Terahertz Light Fingerprints Biomolecular Dynamics. , 2018, , .		0
15	Frequency domain non-contact photoacoustic microscopy. Proceedings of SPIE, 2017, , .	0.8	0
16	Soft phonon mode dynamics in Aurivillius-type structures. Physical Review B, 2017, 96, .	1.1	17
17	Nondestructive determination of protein structural stability. , 2017, , .		0
18	New Insights into the Dynamics of Zwitterionic Micelles and Their Hydration Waters by Gigahertz-to-Terahertz Dielectric Spectroscopy. Journal of Physical Chemistry B, 2016, 120, 10757-10767.	1.2	35

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19	Modulated orientation-sensitive terahertz spectroscopy. Photonics Research, 2016, 4, A1.	3.4	5
20	Optical excitation of Er centers in GaN epilayers grown by MOCVD. , 2016, , .		0
21	New terahertz dielectric spectroscopy for the study of aqueous solutions. Review of Scientific Instruments, 2015, 86, 123105.	0.6	30
22	Excitation mechanisms of Er optical centers in GaN epilayers. Applied Physics Letters, 2015, 107, 171105.	1.5	23
23	High-precision gigahertz-to-terahertz spectroscopy of aqueous salt solutions as a probe of the femtosecond-to-picosecond dynamics of liquid water. Journal of Chemical Physics, 2015, 142, 164502.	1.2	94
24	Photobleaching and Stability of Red Fluorescent Proteins. Biophysical Journal, 2015, 108, 348a.	0.2	0
25	Probing the stability of fluorescent proteins by terahertz spectroscopy. , 2014, , .		0
26	Protein Resilience and Fluorescent Protein Resistance to Photobleaching. Biophysical Journal, 2014, 106, 459a.	0.2	1
27	Terahertz Spectroscopy of Biological Molecules. , 2014, , 170-189.		1
28	Photoactive Yellow Protein Terahertz Response: Hydration, Heating and Intermediate States. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 288-294.	2.0	14
29	Measuring phonons in protein crystals. Proceedings of SPIE, 2013, , .	0.8	0
30	Terahertz magneto-optical polarization modulation spectroscopy. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1406.	0.9	27
31	Improved Mode Assignment for Molecular Crystals Through Anisotropic Terahertz Spectroscopy. Journal of Physical Chemistry A, 2012, 116, 10359-10364.	1.1	26
32	Terahertz Spectroscopy of Liquids and Biomolecules. Springer Series in Optical Sciences, 2012, , 229-250.	0.5	8
33	Multi-component response in multilayer graphene revealed through terahertz and infrared magneto-spectroscopy. , 2012, , .		1
34	Terahertz Response and Colossal Kerr Rotation from the Surface States of the Topological Insulator Bi_2Se_3 . Physical Review Letters, 2012, 108, 087403.	2.9	201
35	Large Area Self Assembled Tunable Terahertz Detector. , 2012, , .		0
36	MEMS Cell for Dynamical Orientation of Bio Molecules in Solution. , 2012, , .		0

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37	Terahertz sensitivity to DNA hybridization: Poly nucleotide and Solvent Dynamics. , 2012, , .		0
38	Dynamical Alignment of Solution Phase Proteins for Structural Measurements. Biophysical Journal, 2011, 100, 224a.	0.2	0
39	Anisotropy and birefringence in molecular crystals. , 2011, , .		1
40	Large area self assembled tunable terahertz detector. , 2011, , .		0
41	Magneto optical polarization measurements using THz polarization modulation spectroscopy. , 2011, , .		0
42	Characterization of Phonons in Molecular Crystals. , 2010, , .		0
43	The Peptide Dynamical Transition. , 2010, , .		0
44	Picosecond Dynamics Of Surface Water As A Function Of Hydrophobicity. Biophysical Journal, 2009, 96, 70a.	0.2	0
45	Picosecond Dynamics Evolution During Function For Photoactive Yellow Protein. Biophysical Journal, 2009, 96, 585a.	0.2	0
46	The role of the protein surface on the local biological water dynamics. Proceedings of SPIE, 2009, , .	0.8	0
47	The Wigner function in signal processing of nanostructures. , 2006, , .		0