Deepu George

List of Publications by Year
in descending order

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47	585	840119 11	794141 19
papers	citations	h-index	g-index

47	47	47	1056
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Terahertz Response and Colossal Kerr Rotation from the Surface States of the Topological Insulator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Se</mml:mi><mml:mn Physical Review Letters, 2012, 108, 087403.	2.9	201
2	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
3	Protein and RNA dynamical fingerprinting. Nature Communications, 2019, 10, 1026.	5.8	72
4	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
5	New terahertz dielectric spectroscopy for the study of aqueous solutions. Review of Scientific Instruments, 2015, 86, 123105.	0.6	30
6	Terahertz magneto-optical polarization modulation spectroscopy. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1406.	0.9	27
7	Improved Mode Assignment for Molecular Crystals Through Anisotropic Terahertz Spectroscopy. Journal of Physical Chemistry A, 2012, 116, 10359-10364.	1.1	26
8	Excitation mechanisms of Er optical centers in GaN epilayers. Applied Physics Letters, 2015, 107, 171105.	1.5	23
9	Soft phonon mode dynamics in Aurivillius-type structures. Physical Review B, 2017, 96, .	1.1	17
10	Photoactive Yellow Protein Terahertz Response: Hydration, Heating and Intermediate States. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 288-294.	2.0	14
11	Near-Field Stationary Sample Terahertz Spectroscopic Polarimetry for Biomolecular Structural Dynamics Determination. ACS Photonics, 2021, 8, 658-668.	3.2	12
12	Terahertz Spectroscopy of Liquids and Biomolecules. Springer Series in Optical Sciences, 2012, , 229-250.	0.5	8
13	A frequencyâ€domain nonâ€contact photoacoustic microscope based on an adaptive interferometer. Journal of Biophotonics, 2018, 11, e201700278.	1.1	6
14	Modulated orientation-sensitive terahertz spectroscopy. Photonics Research, 2016, 4, A1.	3.4	5
15	Linear dichroism infrared resonance in overdoped, underdoped, and optimally doped cuprate superconductors. Physical Review B, 2020, 102, .	1.1	4
16	Functional-State Dependence of Picosecond Protein Dynamics. Journal of Physical Chemistry B, 2021, 125, 11134-11140.	1.2	3
17	Photo-Switching of Protein Dynamical Collectivity. Photonics, 2021, 8, 302.	0.9	2
18	Anisotropy and birefringence in molecular crystals. , 2011, , .		1

#	Article	IF	Citations
19	Multi-component response in multilayer graphene revealed through terahertz and infrared magneto-spectroscopy. , 2012, , .		1
20	Protein Resilience and Fluorescent Protein Resistance to Photobleaching. Biophysical Journal, 2014, 106, 459a.	0.2	1
21	Phonon Kinetics of Fructose at the Melting Transition. Journal of Physical Chemistry C, 2021, 125, 12269-12276.	1.5	1
22	Tunable compact narrow band THz sources for frequency domain THz anisotropic spectroscopy. , 2019, 10983, .		1
23	Terahertz Spectroscopy of Biological Molecules. , 2014, , 170-189.		1
24	The Wigner function in signal processing of nanostructures. , 2006, , .		0
25	Picosecond Dynamics Of Surface Water As A Function Of Hydrophobicity. Biophysical Journal, 2009, 96, 70a.	0.2	0
26	Picosecond Dynamics Evolution During Function For Photoactive Yellow Protein. Biophysical Journal, 2009, 96, 585a.	0.2	0
27	Characterization of Phonons in Molecular Crystals. , 2010, , .		0
28	Dynamical Alignment of Solution Phase Proteins for Structural Measurements. Biophysical Journal, 2011, 100, 224a.	0.2	0
29	Large area self assembled tunable terahertz detector. , 2011, , .		0
30	Magneto optical polarization measurements using THz polarization modulation spectroscopy. , 2011, , .		0
31	Measuring phonons in protein crystals. Proceedings of SPIE, 2013, , .	0.8	0
32	Probing the stability of fluorescent proteins by terahertz spectroscopy. , 2014, , .		0
33	Photobleaching and Stability of Red Fluorescent Proteins. Biophysical Journal, 2015, 108, 348a.	0.2	0
34	Optical excitation of Er centers in GaN epilayers grown by MOCVD. , 2016, , .		0
35	Frequency domain non-contact photoacoustic microscopy. Proceedings of SPIE, 2017, , .	0.8	0
36	Nondestructive determination of protein structural stability. , 2017, , .		0

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37	THz Anisotropy Identification using Tunable Compact Narrow Band THz Sources. , 2018, 2018, .		0
38	The Effect of Crystal Contact Forces on the Protein Global Motions. Biophysical Journal, 2019, 116, 489a.	0.2	0
39	Anisotropic Terahertz Microscopy of Protein Collective Vibrations: Crystal Symmetry and Hydration Dependence. , 2019, , .		0
40	Stationary Sample Anisotropic THz Spectroscopy Using Discretely Tunable THz Sources. , 2019, 2019, .		0
41	Is the Protein Dynamical Transition useful?. Biophysical Journal, 2020, 118, 521a.	0.2	0
42	The role of the protein surface on the local biological water dynamics. Proceedings of SPIE, 2009, , .	0.8	0
43	The Peptide Dynamical Transition. , 2010, , .		0
44	Large Area Self Assembled Tunable Terahertz Detector. , 2012, , .		0
45	MEMS Cell for Dynamical Orientation of Bio Molecules in Solution. , 2012, , .		0
46	Terahertz sensitivity to DNA hybridization: Poly nucleotide and Solvent Dynamics. , 2012, , .		0
47	Terahertz Light Fingerprints Biomolecular Dynamics. , 2018, , .		0