

Maksim Grechko

List of Publications by Year in descending order

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17
papers

538
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840776

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docs citations

17
times ranked

911
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy transfer pathways in semiconducting carbon nanotubes revealed using two-dimensional white-light spectroscopy. <i>Nature Communications</i> , 2015, 6, 6732.	12.8	91
2	Quantification of transition dipole strengths using 1D and 2D spectroscopy for the identification of molecular structures via exciton delocalization: Application to $\hat{1}\pm$ -helices. <i>Journal of Chemical Physics</i> , 2012, 137, 184202.	3.0	83
3	Coupling between intra- and intermolecular motions in liquid water revealed by two-dimensional terahertz-infrared-visible spectroscopy. <i>Nature Communications</i> , 2018, 9, 885.	12.8	67
4	Direct observation of mode-specific phonon-band gap coupling in methylammonium lead halide perovskites. <i>Nature Communications</i> , 2017, 8, 687.	12.8	63
5	Transition Dipoles from 1D and 2D Infrared Spectroscopy Help Reveal the Secondary Structures of Proteins: Application to Amyloids. <i>Journal of Physical Chemistry B</i> , 2015, 119, 14065-14075.	2.6	58
6	Photoexcitation Dynamics of Coupled Semiconducting Carbon Nanotube Thin Films. <i>Nano Letters</i> , 2013, 13, 1495-1501.	9.1	43
7	Vibrational Coupling between Organic and Inorganic Sublattices of Hybrid Perovskites. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13657-13661.	13.8	34
8	Diffusion-Assisted Photoexcitation Transfer in Coupled Semiconducting Carbon Nanotube Thin Films. <i>ACS Nano</i> , 2014, 8, 5383-5394.	14.6	33
9	Time-Resolved Sum Frequency Generation Spectroscopy: A Quantitative Comparison Between Intensity and Phase-Resolved Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2018, 122, 2401-2410.	2.5	19
10	Dynamics of Dicyanamide in Ionic Liquids is Dominated by Local Interactions. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1831-1839.	2.6	14
11	Background-Free Fourth-Order Sum Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2114-2120.	4.6	13
12	Distinguishing different excitation pathways in two-dimensional terahertz-infrared-visible spectroscopy. <i>Journal of Chemical Physics</i> , 2021, 154, 174201.	3.0	8
13	Composition-Dependent Hydrogen-Bonding Motifs and Dynamics in Brønsted Acid-Base Mixtures. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7229-7238.	2.6	7
14	Passively Stabilized Phase-Resolved Collinear SFG Spectroscopy Using a Displaced Sagnac Interferometer. <i>Journal of Physical Chemistry A</i> , 2022, 126, 951-956.	2.5	3
15	Two-Dimensional Terahertz-Infrared-Visible Spectroscopy Elucidates Coupling Between Low- and High-Frequency Modes. <i>Springer Series in Optical Sciences</i> , 2019, , 197-214.	0.7	2
16	Resolution along both infrared and visible frequency axes in second-order Fourier-transform vibrational sum-frequency generation spectroscopy. <i>Chemical Physics</i> , 2018, 512, 27-35.	1.9	0
17	Kopplung von hoch- und niederfrequenten Schwingungsmoden in organisch-anorganischen Perovskiten. <i>Angewandte Chemie</i> , 2018, 130, 13845-13849.	2.0	0