

Kamil Polok

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

198
citations

1162367

8
h-index

1058022

14
g-index

22
all docs

22
docs citations

22
times ranked

232
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison of force fields for ethanol-water mixtures. <i>Molecular Simulation</i> , 2015, 41, 699-712.	0.9	34
2	Temperature-Dependent Ultrafast Solvation Response and Solute Diffusion in Acetamide-Urea Deep Eutectic Solvent. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9212-9221.	1.2	25
3	Detailed insight into the hydrogen bonding interactions in acetone-methanol mixtures. A molecular dynamics simulation and Voronoi polyhedra analysis study. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5979.	1.3	24
4	Free Energy of Mixing of Acetone and Methanol: A Computer Simulation Investigation. <i>Journal of Physical Chemistry B</i> , 2013, 117, 16157-16164.	1.2	24
5	Inhomogeneous Distribution in Methanol/Acetone Mixture: Vibrational and NMR Spectroscopy Analysis. <i>Journal of Physical Chemistry B</i> , 2014, 118, 1416-1425.	1.2	14
6	Molecular dynamics simulations and femtosecond optical Kerr effect spectroscopy of methanol/acetone mixtures. <i>Journal of Molecular Liquids</i> , 2011, 159, 60-69.	2.3	12
7	Low frequency response of methanol/acetone mixtures: Optical Kerr effect and molecular dynamics simulations. <i>Journal of Molecular Liquids</i> , 2012, 176, 29-32.	2.3	11
8	Femtosecond optical Kerr effect setup with signal "live view" for measurements in the solid, liquid, and gas phases. <i>Review of Scientific Instruments</i> , 2015, 86, 103109.	0.6	10
9	Simulations of the OKE Response in Simple Liquids Using a Polarizable and a Nonpolarizable Force Field. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1638-1654.	1.2	9
10	Search for the origin of synergistic solvation in methanol/chloroform mixture using optical Kerr effect spectroscopy. <i>Journal of Molecular Liquids</i> , 2022, 345, 117013.	2.3	8
11	Dynamics of intermolecular interactions in CCl ₄ via the isotope effect by femtosecond time-resolved spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16046-16054.	1.3	6
12	Voronoi Polyhedra as a Tool for the Characterization of Inhomogeneous Distribution in 1-Butyl-3-methylimidazolium Cation-Based Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10419-10434.	1.2	6
13	Coherent optical phonons in pure and Pr ³⁺ doped YAG crystal studied by Optical Kerr Effect spectroscopy: Temperature and concentration dependence. <i>Chemical Physics</i> , 2014, 442, 119-127.	0.9	4
14	Coherent optical phonons in alexandrite crystal studied by Optical Kerr Effect spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1312-1316.	1.2	3
15	Fine structures in Raman spectra of tetrahedral tetrachloride molecules in femtosecond coherent spectroscopy. <i>Journal of Chemical Physics</i> , 2019, 150, 244505.	1.2	3
16	Dynamics in the BMIM PF ₆ /acetonitrile mixtures observed by femtosecond optical Kerr effect and molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 24544-24554.	1.3	3
17	The influence of interactions between isotopologues on coherent, ultrafast vibrational dynamics of liquid C ₂ Cl ₄ . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 5149-5158.	1.3	2
18	Effect of the Mixture Composition of BmimBF ₄ -Acetonitrile on the Excited-State Relaxation Dynamics of a Solar-Cell Dye D149: An Ultrafast Transient Absorption Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17841-17852.	1.5	0

#	ARTICLE	IF	CITATIONS
19	Time resolved transient transmission spectroscopy of TiCl ₄ and SnCl ₄ . Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 280, 121507.	2.0	0