

Jan Philip Kraack

List of Publications by Citations

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25
papers

558
citations

13
h-index

23
g-index

26
ext. papers

594
ext. citations

6.3
avg, IF

4.51
L-index

#	Paper	IF	Citations
25	Surface-Sensitive and Surface-Specific Ultrafast Two-Dimensional Vibrational Spectroscopy. <i>Chemical Reviews</i> , 2017 , 117, 10623-10664	68.1	95
24	Mapping multidimensional excited state dynamics using pump-impulsive-vibrational-spectroscopy and pump-degenerate-four-wave-mixing. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 14487-501	3.6	56
23	Surface Enhancement in Ultrafast 2D ATR IR Spectroscopy at the Metal-Liquid Interface. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 3350-3359	3.8	48
22	Surface-Sensitive Spectro-electrochemistry Using Ultrafast 2D ATR IR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 2883-2892	3.8	47
21	Ultrafast, Multidimensional Attenuated Total Reflectance Spectroscopy of Adsorbates at Metal Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2325-9	6.4	41
20	Ground- and excited-state vibrational coherence dynamics in Bacteriorhodopsin probed with degenerate four-wave-mixing experiments. <i>ChemPhysChem</i> , 2011 , 12, 1851-9	3.2	32
19	Vibrational ladder-climbing in surface-enhanced, ultrafast infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 16088-93	3.6	30
18	Ultrafast Vibrational Energy Transfer in Catalytic Monolayers at Solid-Liquid Interfaces. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2489-2495	6.4	29
17	2D attenuated total reflectance infrared spectroscopy reveals ultrafast vibrational dynamics of organic monolayers at metal-liquid interfaces. <i>Journal of Chemical Physics</i> , 2015 , 142, 212413	3.9	28
16	Coherent High-Frequency Vibrational Dynamics in the Excited Electronic State of All-Trans Retinal Derivatives. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 383-7	6.4	25
15	Ultrafast structural molecular dynamics investigated with 2D infrared spectroscopy methods. <i>Topics in Current Chemistry</i> , 2017 , 375, 86	7.2	21
14	Evidence for the Two-State-Two-Mode model in retinal protonated Schiff-bases from pump degenerate four-wave-mixing experiments. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 13979-88	3.6	21
13	Vibrational analysis of excited and ground electronic states of all-trans retinal protonated Schiff-bases. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 21402-10	3.6	19
12	Selective nonlinear response preparation using femtosecond spectrally resolved four-wave-mixing. <i>Journal of Chemical Physics</i> , 2011 , 135, 224505	3.9	13
11	Surface-enhanced, multi-dimensional attenuated total reflectance spectroscopy 2015 ,		11
10	Plasmonic Substrates Do Not Promote Vibrational Energy Transfer at Solid-Liquid Interfaces. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 49-56	6.4	11
9	Molecule-specific interactions of diatomic adsorbates at metal-liquid interfaces. <i>Structural Dynamics</i> , 2017 , 4, 044009	3.2	10

8	Solvent-Controlled Morphology of Catalytic Monolayers at Solid-Liquid Interfaces. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 2259-2267	3.8	6
7	Excited State Vibrational Spectra of All- trans Retinal Derivatives in Solution Revealed By Pump-DFWM Experiments. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 12271-12281	3.4	4
6	Vibronic Coupling in Excited Electronic States Investigated with Resonant 2D Raman Spectroscopy. <i>EPJ Web of Conferences</i> , 2013 , 41, 05018	0.3	3
5	Introduction to State-of-the-Art Multidimensional Time-Resolved Spectroscopy Methods. <i>Topics in Current Chemistry</i> , 2018 , 376, 28	7.2	3
4	On the Investigation of Excited State Dynamics with (Pump-)Degenerate Four Wave Mixing. <i>Springer Series in Chemical Physics</i> , 2014 , 205-230	0.3	2
3	Ultrafast structural molecular dynamics investigated with 2D infrared spectroscopy methods. <i>Topics in Current Chemistry Collections</i> , 2019 , 113-205	1.8	2
2	Resonant Two-Photon Excitation Pathways During Retinal-Isomerization in Bacteriorhodopsin. <i>EPJ Web of Conferences</i> , 2013 , 41, 07019	0.3	1
1	Introduction to State-of-the-Art Multidimensional Time-Resolved Spectroscopy Methods. <i>Topics in Current Chemistry Collections</i> , 2019 , 1-25	1.8	