

Kevin C Jones

List of Publications by Year in descending order

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15
papers

1,027
citations

687363

13
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

1063
citing authors

#	ARTICLE	IF	CITATIONS
1	Amide I Two-Dimensional Infrared Spectroscopy of Proteins. <i>Accounts of Chemical Research</i> , 2008, 41, 432-441.	15.6	427
2	Transient 2D IR spectroscopy of ubiquitin unfolding dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14237-14242.	7.1	164
3	Folding of a heterogeneous β^2 -hairpin peptide from temperature-jump 2D IR spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2828-2833.	7.1	71
4	Ionizing radiation-induced acoustics for radiotherapy and diagnostic radiology applications. <i>Medical Physics</i> , 2018, 45, e707-e721.	3.0	58
5	Experimental observation of acoustic emissions generated by a pulsed proton beam from a hospital-based clinical cyclotron. <i>Medical Physics</i> , 2015, 42, 7090-7097.	3.0	56
6	Studying Protein-Protein Binding through T-Jump Induced Dissociation: Transient 2D IR Spectroscopy of Insulin Dimer. <i>Journal of Physical Chemistry B</i> , 2016, 120, 5134-5145.	2.6	42
7	How proton pulse characteristics influence protoacoustic determination of proton-beam range: simulation studies. <i>Physics in Medicine and Biology</i> , 2016, 61, 2213-2242.	3.0	41
8	Heterodyne-Detected Dispersed Vibrational Echo Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2009, 113, 14060-14066.	2.5	35
9	Acoustic-based proton range verification in heterogeneous tissue: simulation studies. <i>Physics in Medicine and Biology</i> , 2018, 63, 025018.	3.0	27
10	Transient two-dimensional spectroscopy with linear absorption corrections applied to temperature-jump two-dimensional infrared. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 118.	2.1	26
11	Acoustic time-of-flight for proton range verification in water. <i>Medical Physics</i> , 2016, 43, 5213-5224.	3.0	26
12	Compton scatter imaging: A promising modality for image guidance in lung stereotactic body radiation therapy. <i>Medical Physics</i> , 2018, 45, 1233-1240.	3.0	24
13	Proton range verification in homogeneous materials through acoustic measurements. <i>Physics in Medicine and Biology</i> , 2018, 63, 025036.	3.0	16
14	Characterization of Compton-scatter imaging with an analytical simulation method. <i>Physics in Medicine and Biology</i> , 2018, 63, 025016.	3.0	13
15	Scatter imaging during lung stereotactic body radiation therapy characterized with phantom studies. <i>Physics in Medicine and Biology</i> , 2020, 65, 155013.	3.0	1