

Richard M Cox

List of Publications by Year in descending order

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15
papers

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840776

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times ranked

188
citing authors

#	ARTICLE	IF	CITATIONS
1	Bond energies of ThO ⁺ and ThC ⁺ : A guided ion beam and quantum chemical investigation of the reactions of thorium cation with O ₂ and CO. <i>Journal of Chemical Physics</i> , 2016, 144, 184309.	3.0	48
2	Evaluation of the exothermicity of the chemi-ionization reaction Sm + O → SmO ⁺ + e ⁻ . <i>Journal of Chemical Physics</i> , 2015, 142, 134307.	3.0	44
3	Activation of CH ₄ by Th ⁺ as Studied by Guided Ion Beam Mass Spectrometry and Quantum Chemistry. <i>Inorganic Chemistry</i> , 2015, 54, 3584-3599.	4.0	34
4	Reactions of Th ⁺ + H ₂ , D ₂ , and HD Studied by Guided Ion Beam Tandem Mass Spectrometry and Quantum Chemical Calculations. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1601-1614.	2.6	29
5	Guided ion beam and theoretical studies of the reactions of Re ⁺ , Os ⁺ , and Ir ⁺ with CO. <i>Journal of Chemical Physics</i> , 2016, 145, 194305.	3.0	21
6	Bond energy of ThN ⁺ : A guided ion beam and quantum chemical investigation of the reactions of thorium cation with N ₂ and NO. <i>Journal of Chemical Physics</i> , 2019, 151, 034304.	3.0	20
7	Potential energy surface for the reaction Sm ⁺ + CO ₂ → SmO ⁺ + CO: guided ion beam and theoretical studies. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 11075-11088.	2.8	15
8	On-Line Monitoring of Gas-Phase Molecular Iodine Using Raman and Fluorescence Spectroscopy Paired with Chemometric Analysis. <i>Environmental Science & Technology</i> , 2021, 55, 3898-3908.	10.0	15
9	Gas-phase ion-molecule interactions in a collision reaction cell with triple quadrupole-inductively coupled plasma mass spectrometry: Investigations with N ₂ O as the reaction gas. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 186, 106309.	2.9	15
10	Activation of Water by Thorium Cation: A Guided Ion Beam and Quantum Chemical Study. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1835-1849.	2.8	13
11	Lanthanides as Catalysts: Guided Ion Beam and Theoretical Studies of Sm ⁺ + COS. <i>Journal of Physical Chemistry A</i> , 2018, 122, 737-749.	2.5	12
12	Microstructural characterization of cold-worked 316 stainless steel flux thimble tubes irradiated up to 100 dpa in a commercial Pressurized Water Reactor. <i>Journal of Nuclear Materials</i> , 2020, 541, 152400.	2.7	11
13	Thermochemical studies of reactions of Re ⁺ with SO ₂ using guided ion beam experiments and theory. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3191-3203.	2.8	7
14	Gas-Phase Ion-Molecule Interactions in a Collision Reaction Cell with ICP-MS: Investigations with CO ₂ as the Reaction Gas. <i>Geostandards and Geoanalytical Research</i> , 2022, 46, 387-399.	3.1	6
15	Activation of CO ₂ by Actinide Cations (Th ⁺ , U ⁺ , Pu ⁺ ,) <i>Inorganic Chemistry</i> , 2022, 61, 8168-8181.	4.0	5