Theodore A Corcovilos

List of Publications by Year
in descending order

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22	664	759233 12	713466 21
papers	citations	h-index	g-index

22	22	22	804
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intrinsic reactivity of [OUCH]⁺: Apparent synthesis of [OUS]⁺ by reaction with CS₂. Rapid Communications in Mass Spectrometry, 2022, 36, e9260.	1.5	3
2	Intrinsic chemistry of [OUCH]⁺: reactions with H₂O, CH₃Cî€,N and O₂. Physical Chemistry Chemical Physics, 2021, 23, 4475-4479.	2.8	6
3	Destruction and reconstruction of UO₂²⁺ using gas-phase reactions. Physical Chemistry Chemical Physics, 2021, 23, 11844-11851.	2.8	4
4	Creation of [OUF]+ using gas-phase reactions of [UO2(C6F5)]+. International Journal of Mass Spectrometry, 2021, 469, 116664.	1.5	2
5	Measurement of the asymmetric UO22+ stretching frequency for [UVIO2(F)3]- using IRMPD spectroscopy. International Journal of Mass Spectrometry, 2019, 446, 116231.	1.5	1
6	Isotope labeling and infrared multiple-photon photodissociation investigation of product ions generated by dissociation of [ZnNO3(CH3OH)2]+: Conversion of methanol to formaldehyde. European Journal of Mass Spectrometry, 2019, 25, 58-72.	1.0	0
7	Two-dimensional optical quasicrystal potentials for ultracold atom experiments. Applied Optics, 2019, 58, 2256.	1.8	14
8	A simple game simulating quantum measurements of qubits. American Journal of Physics, 2018, 86, 510-517.	0.7	6
9	Revealing Disparate Chemistries of Protactinium and Uranium. Synthesis of the Molecular Uranium Tetroxide Anion, UO₄^{â€“}. Inorganic Chemistry, 2017, 56, 3686-3694.	4.0	14
10	Synthesis and Hydrolysis of Uranyl, Neptunyl, and Plutonyl Gas-Phase Complexes Exhibiting Discrete Actinideâ€“Carbon Bonds. Organometallics, 2016, 35, 1228-1240.	2.3	30
11	Collisionâ€induced dissociation of uranylâ€methoxide and uranylâ€ethoxide cations: Formation of UO ₂ H ⁺ and uranylâ€alkyl product ions. Rapid Communications in Mass Spectrometry, 2016, 30, 1879-1890.	1.5	14
12	Dissociation of gas-phase, doubly-charged uranyl-acetone complexes by collisional activation and infrared photodissociation. International Journal of Mass Spectrometry, 2016, 396, 22-34.	1.5	15
13	Coherent Addressing of Individual Neutral Atoms in a 3D Optical Lattice. Physical Review Letters, 2015, 115, 043003.	7.8	86
14	3D Projection Sideband Cooling. Physical Review Letters, 2012, 108, 103001.	7.8	39
15	All-optical production of a lithium quantum gas using narrow-line laser cooling. Physical Review A, 2011, 84, .	2.5	78
16	Detecting antiferromagnetism of atoms in an optical lattice via optical Bragg scattering. Physical Review A, 2010, 81, .	2.5	85
17	Experimental studies of Boseâ€“Einstein condensates in disorder. Physica D: Nonlinear Phenomena, 2009, 238, 1321-1325.	2.8	6
18	Extreme Tunability of Interactions in a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Li</mml:mi><mml:mprescripts /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts></mml:math>Bose-Einstein Condensate. Physical Review Letters, 2009, 102, 090402.	7.8	218

#	Article	IF	Citations
19	Multi-frequency Superconducting Cavity Stabilized Oscillators (SCSO) for Quantum-Gas Measurements and Gravitational Physics. Journal of Low Temperature Physics, 2004, 134, 431-436.	1.4	2
20	Experimental investigation of the asymmetric spectroscopic characteristics of electron- and hole-doped cuprates. Physica C: Superconductivity and Its Applications, 2004, 408-410, 792-793.	1.2	2
21	Project SEE (Satellite Energy Exchange): an international effort to develop a space-based mission for precise measurements of gravitation. Classical and Quantum Gravity, 2000, 17, 2331-2346.	4.0	18
22	Project SEE (Satellite Energy Exchange): proposal for space-based gravitational measurements. Measurement Science and Technology, 1999, 10, 514-524.	2.6	21