

Szu-Hsueh Lai

List of Publications by Year in descending order

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papers

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933447

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21
times ranked

672
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of the Excited States of [Ir(ppy) ₂ bpy] ⁺ with Triple Phosphorescence. <i>Journal of Physical Chemistry A</i> , 2010, 114, 10339-10344.	2.5	86
2	Disentangling Intrinsic Ultrafast Excited-State Dynamics of Cytosine Tautomers. <i>Journal of Physical Chemistry A</i> , 2011, 115, 8406-8418.	2.5	59
3	Discrimination of Mononuclear and Dinuclear Dinitrosyl Iron Complexes (DNICs) by S K-Edge X-ray Absorption Spectroscopy: Insight into the Electronic Structure and Reactivity of DNICs. <i>Inorganic Chemistry</i> , 2011, 50, 5396-5406.	4.0	55
4	Metal ⁺ Metal Bonding and Structures of Metal String Complexes Cr ₃ (dpa) ₄ Cl ₂ , Cr ₃ (dpa) ₄ (NCS) ₂ , and [Cr ₃ (dpa) ₄ Cl ₂](PF ₆) from IR, Raman, and Surface-Enhanced Raman Spectra. <i>Journal of Physical Chemistry A</i> , 2008, 112, 13528-13534.	2.5	36
5	Matrix Isolation Infrared Spectroscopic and Theoretical Studies on the Reactions of Niobium and Tantalum Mono- and Dioxides with Methane. <i>Journal of Physical Chemistry A</i> , 2005, 109, 9514-9520.	2.5	30
6	Metal ⁺ metal bonding in metal ⁺ string complexes M ₃ (dpa) ₄ X ₂ (M = Ni, Co, dpa = di(2-pyridyl)amido, and X) <i>Tj ETQq0 0 0 rgBT /Over</i> 181-185.	2.6	27
7	Characterization of Ir(ppy) ₃ and [Ir(ppy) ₂ bpy] ⁺ by infrared, Raman spectra and surface-enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 332-338.	2.5	24
8	Single-particle mass analysis of intact ribosomes by mass photometry and Orbitrap-based charge detection mass spectrometry. <i>iScience</i> , 2021, 24, 103211.	4.1	22
9	Metal ⁺ Ligand Bonding Strength of Fluoro-Substituted Cyclometalated Iridium(III) Complexes from Raman and Infrared Spectra. <i>Journal of Physical Chemistry C</i> , 2011, 115, 17163-17174.	3.1	18
10	Frequency-Scanning MALDI Linear Ion Trap Mass Spectrometer for Large Biomolecular Ion Detection. <i>Analytical Chemistry</i> , 2011, 83, 8273-8277.	6.5	15
11	Bonding between Chromium Atoms in Metal-String Complexes from Raman Spectra and Surface-Enhanced Raman Scattering: Vibrational Frequency of the Chromium Quadruple Bond. <i>Journal of Physical Chemistry C</i> , 2011, 115, 13919-13926.	3.1	10
12	Metal ⁺ Metal Bonding and Structures of Metal ⁺ String Complexes: Tripyridyldiamido Pentanickel and Pentacobalt from IR, Raman, and Surface-Enhanced Raman Scattering Spectra. <i>Journal of Physical Chemistry C</i> , 2011, 115, 2454-2461.	3.1	9
13	ESI MS for Microsized Bioparticles. <i>Analytical Chemistry</i> , 2017, 89, 13195-13202.	6.5	9
14	Metal ⁺ metal bonding and structures of trinickel and tricobalt dipyridylamido complexes from surface-enhanced Raman spectra. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1694-1699.	2.5	8
15	Sinapinic acid clusters distribution from monomer to mega Dalton ⁺ region in MALDI process. <i>Chemical Physics Letters</i> , 2013, 561-562, 142-146.	2.6	7
16	Macromolecular Ion Accelerator. <i>Analytical Chemistry</i> , 2012, 84, 5765-5769.	6.5	4
17	Biomolecular Clusters Distribution up to Mega Dalton Region Using MALDI-Quadrupole Ion Trap Mass Spectrometer. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2789.	4.1	4
18	Requirements and attributes of nano-resonator mass spectrometry for the analysis of intact viral particles. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7147-7156.	3.7	2

#	ARTICLE	IF	CITATIONS
19	A Nonlinear Model for Nano-Electro Mechanical Mass Sensing Signals Processing. IEEE Sensors Journal, 2021, 21, 21852-21861.	4.7	1
20	Development of a focused high-energy macromolecular ion beam. Analyst, The, 2021, 146, 2936-2944.	3.5	1