

Kuno Kooser

List of Publications by Year in descending order

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623734

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docs citations

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769
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#	ARTICLE	IF	CITATIONS
1	Photodissociation dynamics of halogenated aromatic molecules: the case of core-ionized tetrabromothiophene. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 21249-21261.	2.8	3
2	Influence of the Ti Content on the Electrochemical Performance and Surface Properties of (La _{0.6} Sr _{0.4}) _{0.99} Co _{1-x} Ti _x O ₃ Oxygen Electrode. <i>ECS Transactions</i> , 2021, 103, 1433-1444.	0.5	0
3	Time-resolved dynamics of thiophene cation – probing parent molecule survival times and multi-step dissociation processes of cyclic molecules by free-electron-laser experiments combined with theoretical simulations. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 112007.	0.4	0
4	Operando high-temperature near-ambient pressure X-ray photoelectron spectroscopy and impedance spectroscopy study of $\text{Ni}_x\text{C}_{1-x}$ alloy. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 25286-25298.	7.1	15
5	Study of Electrochemical and Crystallographic Changes During Initial Stabilization of La _{0.75} Sr _{0.25} Cr _{0.5} Mn _{0.3} Ni _{0.2} O _{3-δ} Reversible Solid Oxide Cell Electrode. <i>Fuel Cells</i> , 2020, 20, 741-752.		
6	Gas-phase endstation of electron, ion and coincidence spectroscopies for diluted samples at the FinEstBeAMS beamline of the MAX-IV 1.5-GeV storage ring. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 1080-1091.	2.4	19
7	A detailed investigation of single-photon laser enabled Auger decay in neon. <i>New Journal of Physics</i> , 2019, 21, 113036.	2.9	12
8	Operando NAP-HT-XPS and Impedance Spectroscopy Study of Pulsed Laser Deposited Ni-Ce _{0.9} Gd _{0.1} O ₂ Solid Oxide Fuel Cell Electrode. <i>ECS Transactions</i> , 2019, 91, 555-561.	0.5	1
9	Photo-ionization and fragmentation of Sc ₃ N@C ₈₀ following excitation above the Sc K-edge. <i>Journal of Chemical Physics</i> , 2019, 151, 104308.	3.0	5
10	Full-dimensional theoretical description of vibrationally resolved valence-shell photoionization of H ₂ O. <i>Structural Dynamics</i> , 2019, 6, 054101.	2.3	7
11	Real-time observation of X-ray-induced intramolecular and interatomic electronic decay in CH ₂ I ₂ . <i>Nature Communications</i> , 2019, 10, 2186.	12.8	19
12	Fragmentation of imidazole, pyrimidine and purine induced by core ionization: Significance of small-scale chemical environment. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 356, 283-289.	3.9	2
13	Near ambient pressure X-ray photoelectron - and impedance spectroscopy study of NiO - Ce _{0.9} Gd _{0.1} O ₂ anode reduction using a novel dual-chamber spectroelectrochemical cell. <i>Journal of Power Sources</i> , 2018, 378, 589-596.	7.8	20
14	Site-selective bond scission of methylbenzoate following core excitation. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9591-9599.	2.8	2
15	Solvothermal synthesis derived Co-Ga codoped ZnO diluted magnetic degenerated semiconductor nanocrystals. <i>Journal of Alloys and Compounds</i> , 2018, 763, 164-172.	5.5	17
16	Following the Birth of a Nanoplasma Produced by an Ultrashort Hard-X-Ray Laser in Xenon Clusters. <i>Physical Review X</i> , 2018, 8, .	8.9	16
17	Ultrafast Coulomb explosion of a diiodomethane molecule induced by an X-ray free-electron laser pulse. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19707-19721.	2.8	27
18	Fragmentation patterns of 4(5)-nitroimidazole and 1-methyl-5-nitroimidazole – The effect of the methylation. <i>Journal of Mass Spectrometry</i> , 2017, 52, 770-776.	1.6	15

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19	Facile synthesis of magnetically separable CoFe ₂ O ₄ /Ag ₂ O/Ag ₂ CO ₃ nanoheterostructures with high photocatalytic performance under visible light and enhanced stability against photodegradation. Journal of Environmental Chemical Engineering, 2017, 5, 3455-3462.	6.7	12
20	Photofragmentation of gas-phase acetic acid and acetamide clusters in the vacuum ultraviolet region. Journal of Chemical Physics, 2017, 147, 194302.	3.0	3
21	Photoinduced intermolecular dynamics and subsequent fragmentation in VUV-ionized acetamide clusters. Journal of Chemical Physics, 2016, 145, 124313.	3.0	1
22	Density functional simulation of resonant inelastic X-ray scattering experiments in liquids: acetonitrile. Physical Chemistry Chemical Physics, 2016, 18, 26026-26032.	2.8	6
23	Photofragmentation of Serine Following C 1s Core Ionization—Comparison with Cysteine. Journal of Physical Chemistry A, 2016, 120, 5419-5426.	2.5	9
24	Femtosecond Time-resolved Study on Nanoplasma Dynamics of Xenon Clusters Irradiated with High Intensity Hard X-rays at SACL, 2016, , .		0
25	Ionization-site effects on the photofragmentation of chloro- and bromoacetic acid molecules. Physical Review A, 2015, 92, .	2.5	16
26	Molecular dynamics of photodissociation: towards more complex systems. Journal of Physics: Conference Series, 2015, 635, 112105.	0.4	1
27	Vibrationally Resolved B 1s Photoionization Cross Section of BF ₃ . Journal of Physical Chemistry A, 2015, 119, 5971-5978.	2.5	12
28	Gas-phase study on uridine: Conformation and X-ray photofragmentation. Journal of Chemical Physics, 2015, 142, 194303.	3.0	6
29	Vibrationally resolved C 1s photoionization cross section of CF ₄ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 124032.	1.5	11
30	Soft x-ray ionization induced fragmentation of glycine. Journal of Chemical Physics, 2014, 140, 234305.	3.0	20
31	Comparison of VUV radiation induced fragmentation of thymidine and uridine nucleosides — The effect of methyl and hydroxyl groups. International Journal of Mass Spectrometry, 2014, 370, 96-100.	1.5	8
32	Dissociation Pathways in the Cysteine Dication after Site-Selective Core Ionization. Journal of Physical Chemistry B, 2014, 118, 11688-11695.	2.6	14
33	Fragmentation Dynamics of Doubly Charged Methionine in the Gas Phase. Journal of Physical Chemistry A, 2014, 118, 1374-1383.	2.5	22
34	Fragmentation of thymidine induced by ultraviolet photoionization and thermal degradation. International Journal of Mass Spectrometry, 2013, 353, 7-11.	1.5	14
35	Electronic structure of LBO and BBO as revealed by boron and oxygen RIXS spectra. Journal of Electron Spectroscopy and Related Phenomena, 2013, 188, 32-37.	1.7	1
36	Intramolecular photoelectron diffraction in the gas phase. Journal of Chemical Physics, 2013, 139, 124306.	3.0	39

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37	A comparative study of dissociation of thymidine molecules following valence or core photoionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 215102.	1.5	20
38	Analysis of electronic structure and its effect on magnetic properties in (001) and (110) oriented La _{0.7} Sr _{0.3} MnO ₃ thin films. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 376003.	1.8	13
39	Dissociation dynamics of doubly charged CO ₂ and CS ₂ molecules as studied by electron-ion coincidence spectroscopy and simulations. <i>Journal of Physics: Conference Series</i> , 2012, 388, 022084.	0.4	0
40	Fragmentation patterns of core ionized uracil. <i>International Journal of Mass Spectrometry</i> , 2011, 306, 82-90.	1.5	24
41	Molecular fragmentation of pyrimidine derivatives following site-selective carbon core ionization. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2011, 184, 119-124.	1.7	37
42	The sub-bandgap energy loss satellites in the RIXS spectra of beryllium compounds. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2011, 184, 366-370.	1.7	2
43	Persistent photoinduced magnetization in the coexisting spin-glass and ferromagnetic phases of Pr _{0.9} Ca _{0.1} MnO ₃ thin film. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 466002.	1.8	10
44	Resonant Auger electron photoion coincidence study of the fragmentation dynamics of an acrylonitrile molecule. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 235103.	1.5	7
45	Resonant inelastic x-ray scattering and UV-VUV luminescence at the Be 1s edge in BeO. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 375505.	1.8	2
46	Substrate-induced effects in the creation and decay of potassium 2p core excitations in ultrathin films of KCl on copper. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 145206.	1.8	6