

Florian Lackner

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8639906/publications.pdf>

Version: 2024-02-01

39
papers

650
citations

567281

15
h-index

580821

25
g-index

39
all docs

39
docs citations

39
times ranked

496
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of bimetallic core-shell nanowires along vortices in superfluid He nanodroplets. <i>Physical Review B</i> , 2014, 90, .	3.2	66
2	Synthesis of nanoparticles in helium dropletsâ€”A characterization comparing mass-spectra and electron microscopy data. <i>Journal of Chemical Physics</i> , 2015, 143, 134201.	3.0	52
3	Forming Rb ⁺ snowballs in the center of He nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 14861.	2.8	46
4	Cs atoms on helium nanodroplets and the immersion of Cs ⁺ into the nanodroplet. <i>Journal of Chemical Physics</i> , 2011, 135, 074306.	3.0	40
5	Rb and Cs Oligomers in Different Spin Configurations on Helium Nanodroplets. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7005-7009.	2.5	36
6	Spectroscopy of nS, nP, and nD Rydberg series of Cs atoms on helium nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 18781.	2.8	30
7	Thermally induced alloying processes in a bimetallic system at the nanoscale: AgAu sub-5 nm coreâ€”shell particles studied at atomic resolution. <i>Nanoscale</i> , 2018, 10, 2017-2024.	5.6	30
8	Spectroscopy of Cold LiCa Molecules Formed on Helium Nanodroplets. <i>Journal of Physical Chemistry A</i> , 2013, 117, 13719-13731.	2.5	29
9	Spectroscopy of Lithium Atoms and Molecules on Helium Nanodroplets. <i>Journal of Physical Chemistry A</i> , 2013, 117, 11866-11873.	2.5	22
10	Ionization Thresholds of Alkali Metal Atoms on Helium Droplets. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2778-2782.	4.6	21
11	Tracking dissociation dynamics of strong-field ionized 1,2-dibromoethane with femtosecond XUV transient absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14644-14653.	2.8	21
12	Helium-Droplet-Assisted Preparation of Cold RbSr Molecules. <i>Physical Review Letters</i> , 2014, 113, 153001.	7.8	19
13	Rubidium on Helium Droplets: Analysis of an Exotic Rydberg Complex for $n < 20$ and $l = 0$. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1404-1408.	4.6	17
14	<i>Ab initio</i> study of the RbSr electronic structure: Potential energy curves, transition dipole moments, and permanent electric dipole moments. <i>Journal of Chemical Physics</i> , 2014, 141, 234309.	3.0	17
15	Characterization of RbSr molecules: spectral analysis on helium droplets. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22373-22381.	2.8	16
16	Dissociation Dynamics and Electronic Structures of Highly Excited Ferrocenium Ions Studied by Femtosecond XUV Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9509-9518.	2.5	16
17	Probing ultrafast Câ€”Br bond fission in the UV photochemistry of bromoform with core-to-valence transient absorption spectroscopy. <i>Structural Dynamics</i> , 2019, 6, 054304.	2.3	16
18	Investigation of the RbCa molecule: Experiment and theory. <i>Journal of Molecular Spectroscopy</i> , 2015, 310, 126-134.	1.2	14

#	ARTICLE	IF	CITATIONS
19	Vanadium(V) oxide clusters synthesized by sublimation from bulk under fully inert conditions. <i>Chemical Science</i> , 2019, 10, 3473-3480.	7.4	14
20	Direct observation of ring-opening dynamics in strong-field ionized selenophene using femtosecond inner-shell absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2016, 145, 234313.	3.0	13
21	Rydberg-Ritz analysis and quantum defects for Rb and Cs atoms on helium nanodroplets. <i>Molecular Physics</i> , 2013, 111, 2118-2125.	1.7	12
22	Spectroscopy of gold atoms and gold oligomers in helium nanodroplets. <i>Journal of Chemical Physics</i> , 2018, 149, 024305.	3.0	12
23	Helium droplet assisted synthesis of plasmonic Ag@ZnO core@shell nanoparticles. <i>Nano Research</i> , 2020, 13, 2979-2986.	10.4	11
24	Shell-Isolated Au Nanoparticles Functionalized with Rhodamine B Fluorophores in Helium Nanodroplets. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 145-150.	4.6	11
25	One- and Two-Color Resonant Photoionization Spectroscopy of Chromium-Doped Helium Nanodroplets. <i>Journal of Physical Chemistry A</i> , 2014, 118, 8373-8379.	2.5	10
26	Demonstrating the Impact of the Adsorbate Orientation on the Charge Transfer at Organic-Metal Interfaces. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9129-9137.	3.1	10
27	Helium nanodroplet assisted synthesis of bimetallic Ag@Au nanoparticles with tunable localized surface plasmon resonance. <i>European Physical Journal D</i> , 2019, 73, 1.	1.3	8
28	Ultra-thin h-BN substrates for nanoscale plasmon spectroscopy. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	8
29	Synthesis of nanosized vanadium(v) oxide clusters below 10 nm. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 21104-21108.	2.8	6
30	Rydberg states of alkali atoms on superfluid helium nanodroplets: inside or outside?. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14718-14728.	2.8	5
31	Photoinduced Molecule Formation of Spatially Separated Atoms on Helium Nanodroplets. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3561-3566.	4.6	5
32	Ultrashort XUV pulse absorption spectroscopy of partially oxidized cobalt nanoparticles. <i>Journal of Applied Physics</i> , 2020, 127, 184303.	2.5	4
33	Synthesis of Metallic Nanoparticles in Helium Droplets. <i>Topics in Applied Physics</i> , 2022, , 513-560.	0.8	4
34	Lithium atoms on helium nanodroplets: Rydberg series and ionization dynamics. <i>Journal of Chemical Physics</i> , 2017, 147, 184302.	3.0	3
35	London dispersion dominating diamantane packing in helium nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 21833-21839.	2.8	2
36	Evaporation of an anisotropic nanoplasma. <i>EPJ Web of Conferences</i> , 2019, 205, 06006.	0.3	1

#	ARTICLE	IF	CITATIONS
37	Photo-induced dynamics in bromoform molecules studied by femtosecond XUV transient absorption spectroscopy. EPJ Web of Conferences, 2019, 205, 06003.	0.3	1
38	Attosecond Spectroscopy of Ultrafast Carrier Dynamics in Nanoparticles. , 2020, , .		1
39	Photoabsorption of potassium clusters isolated in helium droplets: From discrete electronic transitions to collective resonances. Physical Review Research, 2022, 4, .	3.6	1