

# Florian Lackner

## List of Publications by Year in descending order

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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	Synthesis of Metallic Nanoparticles in Helium Droplets. Topics in Applied Physics, 2022, , 513-560.	0.8	4
2	Photoabsorption of potassium clusters isolated in helium droplets: From discrete electronic transitions to collective resonances. Physical Review Research, 2022, 4, .	3.6	1
3	Shell-Isolated Au Nanoparticles Functionalized with Rhodamine B Fluorophores in Helium Nanodroplets. Journal of Physical Chemistry Letters, 2021, 12, 145-150.	4.6	11
4	Demonstrating the Impact of the Adsorbate Orientation on the Charge Transfer at Organic-Metal Interfaces. Journal of Physical Chemistry C, 2021, 125, 9129-9137.	3.1	10
5	London dispersion dominating diamond packing in helium nanodroplets. Physical Chemistry Chemical Physics, 2021, 23, 21833-21839.	2.8	2
6	Helium droplet assisted synthesis of plasmonic Ag@ZnO core-shell nanoparticles. Nano Research, 2020, 13, 2979-2986.	10.4	11
7	Ultrashort XUV pulse absorption spectroscopy of partially oxidized cobalt nanoparticles. Journal of Applied Physics, 2020, 127, 184303.	2.5	4
8	Attosecond Spectroscopy of Ultrafast Carrier Dynamics in Nanoparticles. , 2020, , .		1
9	Evaporation of an anisotropic nanoplasma. EPJ Web of Conferences, 2019, 205, 06006.	0.3	1
10	Photo-induced dynamics in bromoform molecules studied by femtosecond XUV transient absorption spectroscopy. EPJ Web of Conferences, 2019, 205, 06003.	0.3	1
11	Synthesis of nanosized vanadium( $\text{V}$ ) oxide clusters below 10 nm. Physical Chemistry Chemical Physics, 2019, 21, 21104-21108.	2.8	6
12	Helium nanodroplet assisted synthesis of bimetallic Ag@Au nanoparticles with tunable localized surface plasmon resonance. European Physical Journal D, 2019, 73, 1.	1.3	8
13	Vanadium(V) oxide clusters synthesized by sublimation from bulk under fully inert conditions. Chemical Science, 2019, 10, 3473-3480.	7.4	14
14	Probing ultrafast C-Br bond fission in the UV photochemistry of bromoform with core-to-valence transient absorption spectroscopy. Structural Dynamics, 2019, 6, 054304.	2.3	16
15	Ultra-thin h-BN substrates for nanoscale plasmon spectroscopy. Journal of Applied Physics, 2019, 125, .	2.5	8
16	Thermally induced alloying processes in a bimetallic system at the nanoscale: AgAu sub-5 nm core-shell particles studied at atomic resolution. Nanoscale, 2018, 10, 2017-2024.	5.6	30
17	Spectroscopy of gold atoms and gold oligomers in helium nanodroplets. Journal of Chemical Physics, 2018, 149, 024305.	3.0	12
18	Photoinduced Molecule Formation of Spatially Separated Atoms on Helium Nanodroplets. Journal of Physical Chemistry Letters, 2018, 9, 3561-3566.	4.6	5

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19	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
20	Lithium atoms on helium nanodroplets: Rydberg series and ionization dynamics. <i>Journal of Chemical Physics</i> , 2017, 147, 184302.	3.0	3
21	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
22	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
23	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
24	Synthesis of nanoparticles in helium droplets—A characterization comparing mass-spectra and electron microscopy data. <i>Journal of Chemical Physics</i> , 2015, 143, 134201.	3.0	52
25	Investigation of the RbCa molecule: Experiment and theory. <i>Journal of Molecular Spectroscopy</i> , 2015, 310, 126-134.	1.2	14
26	Formation of bimetallic core-shell nanowires along vortices in superfluid He nanodroplets. <i>Physical Review B</i> , 2014, 90, .	3.2	66
27	<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
28	Characterization of RbSr molecules: spectral analysis on helium droplets. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22373-22381.	2.8	16
29	Helium-Droplet-Assisted Preparation of Cold RbSr Molecules. <i>Physical Review Letters</i> , 2014, 113, 153001.	7.8	19
30	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
31	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
32	Spectroscopy of Cold LiCa Molecules Formed on Helium Nanodroplets. <i>Journal of Physical Chemistry A</i> , 2013, 117, 13719-13731.	2.5	29
33	Spectroscopy of Lithium Atoms and Molecules on Helium Nanodroplets. <i>Journal of Physical Chemistry A</i> , 2013, 117, 11866-11873.	2.5	22
34	Rubidium on Helium Droplets: Analysis of an Exotic Rydberg Complex for $n < 20$ and $0 \leq l < n - 3$ . <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1404-1408.	4.6	17
35	Cs atoms on helium nanodroplets and the immersion of Cs <sup>+</sup> into the nanodroplet. <i>Journal of Chemical Physics</i> , 2011, 135, 074306.	3.0	40
36	Ionization Thresholds of Alkali Metal Atoms on Helium Droplets. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2778-2782.	4.6	21

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37	Rb and Cs Oligomers in Different Spin Configurations on Helium Nanodroplets. Journal of Physical Chemistry A, 2011, 115, 7005-7009.	2.5	36
38	Spectroscopy of nS, nP, and nD Rydberg series of Cs atoms on helium nanodroplets. Physical Chemistry Chemical Physics, 2011, 13, 18781.	2.8	30
39	Forming Rb <sup>+</sup> snowballs in the center of He nanodroplets. Physical Chemistry Chemical Physics, 2010, 12, 14861.	2.8	46