Patrick Weis

List of Publications by Year
in descending order

46	891	471509 17	501196 28
papers	citations	h-index	g-index

48	48	48	869
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structures and Energetics of Vn(C6H6)m+Clusters:Â Evidence for a Quintuple-Decker Sandwich. Journal of Physical Chemistry A, 1997, 101, 8207-8213.	2.5	136
2	Extraction and Chromatographic Elution Behavior of Endohedral Metallofullerenes:Â Inferences Regarding Effective Dipole Moments. The Journal of Physical Chemistry, 1996, 100, 725-729.	2.9	68
3	C58on HOPG: Soft-landing adsorption and thermal desorption. Physical Chemistry Chemical Physics, 2004, 6, 5213-5217.	2.8	48
4	Cr+(H2)n clusters: Asymmetric bonding from a symmetric ion. International Journal of Mass Spectrometry and Ion Processes, 1997, 160, 17-37.	1.8	47
5	Tunneling electron loss from isolated platinum tetrahalide dianions. Journal of Chemical Physics, 2001, 115, 3690-3697.	3.0	41
6	A time-of-flight, drift cell, quadrupole apparatus for ion mobility measurements. International Journal of Mass Spectrometry, 2002, 216, 59-73.	1.5	39
7	Solid C58 films. Physical Chemistry Chemical Physics, 2005, 7, 2816.	2.8	38
8	Heating a bowl of single-molecule-soup: structure and desorption energetics of water-encapsulated open-cage [60] fullerenoid anions in the gas-phase. Physical Chemistry Chemical Physics, 2011, 13, 9818.	2.8	31
9	Detection of Intermediates in Dual Gold Catalysis Using High-Resolution Ion Mobility Mass Spectrometry. Organometallics, 2018, 37, 1493-1500.	2.3	30
10	Linear Size Contraction of Ligand Protected Ag₂₉ Clusters by Substituting Ag with Cu. ACS Nano, 2020, 14, 15064-15070.	14.6	28
11	Cn films (n=50, 52, 54, 56, and 58) on graphite: Cage size dependent electronic properties. Journal of Chemical Physics, 2006, 124, 054705.	3.0	27
12	New Photosensitizers Based on Heteroleptic Cu I Complexes and CO 2 Photocatalytic Reduction with [Ni II (cyclam)]Cl 2. Chemistry - A European Journal, 2020, 26, 9929-9937.	3.3	26
13	Lanthanide Fluorobenzoates as Bioâ€Probes: a Quest for the Optimal Ligand Fluorination Degree. Chemistry - A European Journal, 2017, 23, 14944-14953.	3.3	24
14	Properties of non-IPR fullerene films versus size of the building blocks. Physical Chemistry Chemical Physics, 2010, 12, 10671.	2.8	23
15	Kinetics of Intercluster Reactions between Atomically Precise Noble Metal Clusters [Ag₂₅(DMBT)₁₈]^{â^'} and [Au₂₅(PET)₁₈]^{â^'} in Room Temperature Solutions. Journal of the American Chemical Society, 2021, 143, 6969-6980.	13.7	21
16	Q and Soret Band Photoexcitation of Isolated Palladium Porphyrin Tetraanions Leads to Delayed Emission of Nonthermal Electrons over Microsecond Time Scales. Journal of Physical Chemistry Letters, 2016, 7, 1167-1172.	4.6	19
17	Nanogymnastics: Visualization of Intercluster Reactions by High-Resolution Trapped Ion Mobility Mass Spectrometry. Journal of Physical Chemistry C, 2019, 123, 28477-28485.	3.1	19
18	Non-IPR C60 solids. Journal of Chemical Physics, 2009, 130, 164705.	3.0	18

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19	From Planar to Cage in 15 Easy Steps: Resolving the C₆₀H₂₁F₉^{â€“} â†’ C₆₀^{â€“} Transformation by Ion Mobility Mass Spectrometry. Journal of the American Chemical Society, 2016, 138, 11254-11263.	13.7	16
20	Cu(II)- and Mn(III)-Porphyrin-Derived Oligomeric Multianions: Structures and Photoelectron Spectra. Journal of Physical Chemistry A, 2014, 118, 369-379.	2.5	13
21	Morphology of Cn thin films (50 â©½n< 60) on graphite: Inference of energy dissipation during hyperthermal deposition. Surface Science, 2009, 603, 1863-1872.	1.9	12
22	Probing the structure of giant fullerenes by high resolution trapped ion mobility spectrometry. Physical Chemistry Chemical Physics, 2019, 21, 18877-18892.	2.8	12
23	A highly stable, Au/Ru heterobimetallic photoredox catalyst with a [2.2]paracyclophane backbone. Dalton Transactions, 2019, 48, 17704-17708.	3.3	12
24	Structures of Metalloporphyrinâ€“Oligomer Multianions: Cofacial versus Coplanar Motifs as Resolved by Ion Mobility Spectrometry. Journal of Physical Chemistry A, 2016, 120, 8716-8724.	2.5	11
25	Structural characterization of metalloporphyrin-oligomer multianions by mass spectrometry and ion mobility spectrometryâ€”Observation of metastable species. International Journal of Mass Spectrometry, 2013, 339-340, 24-33.	1.5	10
26	A Synthetic Strategy for Cofacial Porphyrinâ€Based Homoâ€• and Heterobimetallic Complexes. Chemistry - A European Journal, 2021, 27, 3047-3054.	3.3	9
27	Photodissociation of Free Metalloporphyrin Dimer Multianions. Journal of Physical Chemistry A, 2018, 122, 2974-2982.	2.5	8
28	Gas-Phase Ion Chemistry of Metalloporphyrin Anions with Molecular Oxygen: Probing the Influence of the Oxidation and Spin State of the Central Transition Metal by Experiment and Theory. Journal of Physical Chemistry A, 2018, 122, 4357-4365.	2.5	8
29	Comparing Empty and Filled Fullerene Cages with High-Resolution Trapped Ion Mobility Spectrometry. Journal of the American Society for Mass Spectrometry, 2019, 30, 1973-1980.	2.8	8
30	Expanded Cyclotetrabenzoins. Organic Letters, 2021, 23, 781-785.	4.6	8
31	Metalâ€toâ€Metal Distance Modulated Au(I)/Ru(II) Cyclophanyl Complexes: Cooperative Effects in Photoredox Catalysis. Chemistry - A European Journal, 2021, 27, 15188-15201.	3.3	8
32	Deuteration-induced scission of C58 oligomers. Journal of Chemical Physics, 2006, 125, 224705.	3.0	7
33	Desorption of C60 upon thermal decomposition of cesium C58 fullerides. Journal of Chemical Physics, 2012, 136, 114708.	3.0	7
34	Pyrroloquinoline Quinone Azaâ€Crown Ether Complexes as Biomimetics for Lanthanide and Calcium Dependent Alcohol Dehydrogenases**. Chemistry - A European Journal, 2021, 27, 10087-10098.	3.3	7
35	Intrinsic Structure and Electronic Spectrum of Deprotonated Biliverdin: Cryogenic Ion Spectroscopy and Ion Mobility. Journal of the American Chemical Society, 2021, 143, 17778-17785.	13.7	7
36	Ion Mobility Measurements of Multianionic Metalloporphyrin Dimers: Structural Changes Induced by Countercation Exchange. Journal of the American Society for Mass Spectrometry, 2018, 29, 1431-1441.	2.8	6

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37	Structural Diversity of Peptoids: Tube-Like Structures of Macrocycles. Molecules, 2021, 26, 150.	3.8	6
38	Photoluminescence Spectroscopy of Mass-Selected Electrosprayed Ions Embedded in Cryogenic Rare-Gas Matrixes. Analytical Chemistry, 2015, 87, 11901-11906.	6.5	5
39	Synthesis and characterization of rigid [2.2]paracyclophaneâ€“porphyrin conjugates as scaffolds for fixed-distance bimetallic complexes. RSC Advances, 2019, 9, 30541-30544.	3.6	5
40	Collision Induced Dissociation of Benzylpyridinium-Substituted Porphyrins: Towards a Thermometer Scale for Multiply Charged Ions?. Journal of the American Society for Mass Spectrometry, 2018, 29, 382-392.	2.8	4
41	Novel Cofacial Porphyrinâ€Based Homoâ€•and Heterotrimetallic Complexes of Transition Metals. Chemistry - A European Journal, 2021, 27, 15201-15207.	3.3	4
42	Anionic Stacks of Alkali-Interlinked Yttrium and Dysprosium Bicyclooctatetraenes in Isolation. Journal of the American Society for Mass Spectrometry, 2022, 33, 695-703.	2.8	4
43	Azaporphine guestâ€“host complexes in solution and gas-phase: evidence for partially filled nanoprisms and exchange reactions. Physical Chemistry Chemical Physics, 2014, 16, 6225-6232.	2.8	3
44	On the Hydrogen Oxalate Binding Motifs onto Dinuclear Cu and Ag Metal Phosphine Complexes. Chemistry - A European Journal, 2021, 27, 15136-15146.	3.3	3
45	Ion Mobility Studies of Pyrroloquinoline Quinone Aza-Crown Etherâ€“Lanthanide Complexes. Journal of the American Society for Mass Spectrometry, 2022, 33, 722-730.	2.8	3
46	Desorption of Fullerene Dimers upon Heating Non-IPR Fullerene Films on HOPG. Journal of Physical Chemistry C, 2019, 123, 5721-5730.	3.1	1