Johann LÃ¼der

List of Publications by Year
in descending order

32	608	566801 15	610482 24
papers	citations	h-index	g-index

33	33	33	1020
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Grafting, self-organization and reactivity of double-decker rare-earth phthalocyanine. , 2021, , 932-943.		0
2	Modeling of plasmonic properties of nanostructures for next generation solar cells and beyond. Advances in Physics: X, 2021, 6, .	1.5	8
3	Determining electronic properties from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>L</mml:mi></mml:math> -edge x-ray absorption spectra of transition metal compounds with artificial neural networks. Physical Review B, 2021, 103, .	1.1	6
4	A TrÃ¶gerâ€™s Base-Derived Covalent Organic Polymer Containing Carbazole Units as a High-Performance Supercapacitor. Polymers, 2021, 13, 1385.	2.0	32
5	Materials Design and Optimization for Next-Generation Solar Cell and Light-Emitting Technologies. Journal of Physical Chemistry Letters, 2021, 12, 4638-4657.	2.1	12
6	Modeling Methods for Plasmonic Effects in Halide Perovskite Based Systems for Photonics Applications. , 2021, , 1-52.		0
7	Nonparametric Local Pseudopotentials with Machine Learning: A Tin Pseudopotential Built Using Gaussian Process Regression. Journal of Physical Chemistry A, 2020, 124, 11111-11124.	1.1	10
8	First-Principle Insights Into Molecular Design for High-Voltage Organic Electrode Materials for Mg Based Batteries. Frontiers in Chemistry, 2020, 8, 83.	1.8	14
9	Exploitation of two-dimensional conjugated covalent organic frameworks based on tetraphenylethylene with bicarbazole and pyrene units and applications in perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 11448-11459.	5.2	88
10	Micromachining of ferrous metal with an ion implanted diamond cutting tool. Carbon, 2019, 152, 598-608.	5.4	27
11	Ligand Effects on the Linear Response Hubbard U: The Case of Transition Metal Phthalocyanines. Journal of Physical Chemistry A, 2019, 123, 3214-3222.	1.1	6
12	Grafting, self-organization and reactivity of double-decker rare-earth phthalocyanine. Journal of Porphyrins and Phthalocyanines, 2019, 23, 1523-1534.	0.4	2
13	Charge and Discharge Processes and Sodium Storage in Disodium Pyridineâ€2,5â€Dicarboxylate Anodeâ€”Insights from Experiments and Theory. Advanced Energy Materials, 2018, 8, 1701572.	10.2	40
14	New Quadratic Self-Assembly of Double-Decker Phthalocyanine on Gold(111) Surface: From Macroscopic to Microscopic Scale. Journal of Physical Chemistry C, 2018, 122, 26480-26488.	1.5	6
15	High Tolerance of Double-Decker Phthalocyanine toward Molecular Oxygen. Journal of Physical Chemistry C, 2018, 122, 20244-20251.	1.5	3
16	Polyaniline and CN-functionalized polyaniline as organic cathodes for lithium and sodium ion batteries: a combined molecular dynamics and density functional tight binding study in solid state. Physical Chemistry Chemical Physics, 2018, 20, 232-237.	1.3	27
17	Electronic structure investigation of biphenylene films. Journal of Chemical Physics, 2017, 146, 054705.	1.2	16
18	Understanding doping strategies in the design of organic electrode materials for Li and Na ion batteries: an electronic structure perspective. Physical Chemistry Chemical Physics, 2017, 19, 13195-13209.	1.3	21

#	Article	IF	Citations
19	Disodium Pyridine Dicarboxylate vs Disodium Terephthalate as Anode Materials for Organic Na Ion Batteries: Effect of Molecular Structure on Voltage from the Molecular Modeling Perspective. MRS Advances, 2017, 2, 3231-3235.	0.5	9
20	Doping of active electrode materials for electrochemical batteries: an electronic structure perspective. MRS Communications, 2017, 7, 523-540.	0.8	27
21	Conclusively Addressing the CoPc Electronic Structure: A Joint Gas-Phase and Solid-State Photoemission and Absorption Spectroscopy Study. Journal of Physical Chemistry C, 2017, 121, 26372-26378.	1.5	19
22	Theory of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>L</mml:mi></mml:math>-edge spectroscopy of strongly correlated systems. Physical Review B, 2017, 96, .	1.1	21
23	Many-body effects and excitonic features in 2D biphenylene carbon. Journal of Chemical Physics, 2016, 144, 024702.	1.2	14
24	When the Grafting of Double Decker Phthalocyanines on Si(100)-2 Ã— 1 Partly Affects the Molecular Electronic Structure. Journal of Physical Chemistry C, 2016, 120, 14270-14276.	1.5	9
25	Influence of Electron Correlation on the Electronic Structure and Magnetism of Transition-Metal Phthalocyanines. Journal of Chemical Theory and Computation, 2016, 12, 1772-1785.	2.3	54
26	Nature of the bias-dependent symmetry reduction of iron phthalocyanine on Cu(111). Physical Review B, 2015, 92, .	1.1	22
27	Characterization of gas phase iron phthalocyanine with Xâ€ray photoelectron and absorption spectroscopies. Physica Status Solidi (B): Basic Research, 2015, 252, 1259-1265.	0.7	10
28	The electronic characterization of biphenyleneâ€”Experimental and theoretical insights from core and valence level spectroscopy. Journal of Chemical Physics, 2015, 142, 074305.	1.2	24
29	Comparison of van der Waals corrected and sparse-matter density functionals for the metal-free phthalocyanine/gold interface. Physical Review B, 2014, 89, .	1.1	38
30	Revisiting the adsorption of copper-phthalocyanine on Au(111) including van der Waals corrections. Journal of Chemical Physics, 2014, 140, 124711.	1.2	11
31	Photoelectron and Absorption Spectroscopy Studies of Metal-Free Phthalocyanine on Au(111): Experiment and Theory. Journal of Physical Chemistry C, 2013, 117, 7018-7025.	1.5	17
32	Experimental and theoretical study of electronic structure of lutetium bi-phthalocyanine. Journal of Chemical Physics, 2013, 138, 234701.	1.2	15