

Florian Buchner

List of Publications by Year in descending order

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36
papers

1,266
citations

430874

18
h-index

414414

32
g-index

37
all docs

37
docs citations

37
times ranked

1316
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of Mg with the ionic liquid 1-butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide – An experimental and computational model study of the electrode – electrolyte interface in post-lithium batteries. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, .	2.1	6
2	Influence of regioisomerism in bis(terpyridine) based exciplexes with delayed fluorescence. Journal of Materials Chemistry C, 2022, 10, 7699-7706.	5.5	1
3	Model Studies on the Formation of the Solid Electrolyte Interphase: Reaction of Li with Ultrathin Adsorbed Ionic Liquid Films and Co ₃ O ₄ (111) Thin Films. ChemPhysChem, 2021, 22, 441-454.	2.1	9
4	UHV preparation and electrochemical/-catalytic properties of well-defined Co and Fe-containing unary and binary oxide model cathodes for the oxygen reduction and oxygen evolution reaction in Zn-air batteries. Journal of Electroanalytical Chemistry, 2021, 896, 115497.	3.8	5
5	Interaction between Li, Ultrathin Adsorbed Ethylene Carbonate Films, and CoO(111) Thin Films: A Model Study of the Solid Electrolyte Interphase Formation at CoO Anodes. Journal of Physical Chemistry C, 2020, 124, 21476-21490.	3.1	2
6	Surface Science and Electrochemical Model Studies on the Interaction of Graphite and Li-Containing Ionic Liquids. ChemSusChem, 2020, 13, 2589-2601.	6.8	12
7	Oxygen Reduction and Evolution on Ni-modified Co ₃ O ₄ (111) Cathodes for Zn-Air Batteries: A Combined Surface Science and Electrochemical Model Study. ChemSusChem, 2020, 13, 3199-3211.	6.8	31
8	Interaction between Li, Ultrathin Adsorbed Ionic Liquid Films, and CoO(111) Thin Films: A Model Study of the Solid Electrolyte Interphase Formation. Chemistry of Materials, 2019, 31, 5537-5549.	6.7	9
9	Surface chemistry and electrochemistry of an ionic liquid and lithium on Li ₄ Ti ₅ O ₁₂ (111) – A model study of the anode electrolyte interface. Journal of Chemical Physics, 2019, 151, 134704.	3.0	4
10	Interaction of Ultrathin Films of Ethylene Carbonate with Oxidized and Reduced Lithium Cobalt Oxide – A Model Study of the Cathode Electrolyte Interface in Li-Ion Batteries. Advanced Materials Interfaces, 2019, 6, 1801650.	3.7	12
11	Structure formation and surface chemistry of ionic liquids on model electrode surfaces – Model studies for the electrode electrolyte interface in Li-ion batteries. Journal of Chemical Physics, 2018, 148, 193821.	3.0	17
12	Adsorption of Ultrathin Ethylene Carbonate Films on Pristine and Lithiated Graphite and Their Interaction with Li. Langmuir, 2018, 34, 8451-8463.	3.5	11
13	Temperature-dependent insertion and adsorption of lithium on spinel Li ₄ Ti ₅ O ₁₂ (111) thin films – an angle-resolved XPS study. Physical Chemistry Chemical Physics, 2018, 20, 18319-18327.	2.8	11
14	Experimental and Computational Study on the Interaction of an Ionic Liquid Monolayer with Lithium on Pristine and Lithiated Graphite. Journal of Physical Chemistry C, 2018, 122, 18968-18981.	3.1	14
15	Health Plan Payment in Germany. , 2018, , 295-329.		7
16	Regression Trees Identify Relevant Interactions: Can This Improve the Predictive Performance of Risk Adjustment?. Health Economics (United Kingdom), 2017, 26, 74-85.	1.7	23
17	Intercalation and Deintercalation of Lithium at the Ionic Liquid – Graphite(0001) Interface. Journal of Physical Chemistry Letters, 2017, 8, 5804-5809.	4.6	22
18	Structure Formation and Thermal Stability of Mono- and Multilayers of Ethylene Carbonate on Cu(111): A Model Study of the Electrode Electrolyte Interface. Journal of Physical Chemistry C, 2016, 120, 16791-16803.	3.1	15

#	ARTICLE	IF	CITATIONS
19	High cost pool or high cost groups? How to handle high(est) cost cases in a risk adjustment mechanism?. Health Policy, 2016, 120, 141-147.	3.0	20
20	Reactive Interaction of (Sub-)monolayers and Multilayers of the Ionic Liquid 1-Butyl-1-methylpyrrolidinium Bis(trifluoro-methylsulfonyl)imide with Coadsorbed Lithium on Cu(111). Journal of Physical Chemistry C, 2015, 119, 16649-16659.	3.1	30
21	The new risk adjustment formula in Germany: Implementation and first experiences. Health Policy, 2013, 109, 253-262.	3.0	50
22	Preconditions for efficiency and affordability in competitive healthcare markets: Are they fulfilled in Belgium, Germany, Israel, the Netherlands and Switzerland?. Health Policy, 2013, 109, 226-245.	3.0	113
23	Temperature-Dependent Chemical and Structural Transformations from 2H-tetraphenylporphyrin to Copper(II)-Tetraphenylporphyrin on Cu(111). Journal of Physical Chemistry C, 2012, 116, 12275-12282.	3.1	68
24	Diffusion, Rotation, and Surface Chemical Bond of Individual 2H-Tetraphenylporphyrin Molecules on Cu(111). Journal of Physical Chemistry C, 2011, 115, 24172-24177.	3.1	74
25	Risk-Type Concentration and Efficiency Incentives: A Challenge for the Risk Adjustment Formula. Geneva Papers on Risk and Insurance: Issues and Practice, 2010, 35, 503-520.	2.1	0
26	STM Investigation of Molecular Architectures of Porphyrinoids on a Ag(111) Surface. , 2010, , .		7
27	Adsorption of cobalt (II) octaethylporphyrin and 2H-octaethylporphyrin on Ag(111): new insight into the surface coordinative bond. New Journal of Physics, 2009, 11, 125004.	2.9	73
28	Modification of the Growth of Iron on Ag(111) by Predeposited Organic Monolayers. Zeitschrift Fur Physikalische Chemie, 2009, 223, 131-144.	2.8	21
29	Chemical Fingerprints of Large Organic Molecules in Scanning Tunneling Microscopy: Imaging Adsorbate-Substrate Coupling of Metalloporphyrins. Journal of Physical Chemistry C, 2009, 113, 16450-16457.	3.1	61
30	Direct Metalation of a Phthalocyanine Monolayer on Ag(111) with Coadsorbed Iron Atoms. Journal of Physical Chemistry C, 2008, 112, 6087-6092.	3.1	128
31	Coordination of Iron Atoms by Tetraphenylporphyrin Monolayers and Multilayers on Ag(111) and Formation of Iron-Tetraphenylporphyrin. Journal of Physical Chemistry C, 2008, 112, 15458-15465.	3.1	147
32	Polymorphism of Porphyrin Molecules on Ag(111) and How to Weave a Rigid Monolayer. Journal of Physical Chemistry C, 2007, 111, 13531-13538.	3.1	56
33	Risk-adjusted capitation payments: how well do principal inpatient diagnosis-based models work in the German situation? Results from a large data set. European Journal of Health Economics, 2007, 8, 31-39.	2.8	18
34	Steeping of Health Expenditure Profiles. Geneva Papers on Risk and Insurance: Issues and Practice, 2006, 31, 581-599.	2.1	21
35	Needs for further improvement: risk adjustment in the German health insurance system. Health Policy, 2003, 65, 21-35.	3.0	55
36	Risk adjustment and risk selection on the sickness fund insurance market in five European countries. Health Policy, 2003, 65, 75-98.	3.0	113