Florian Buchner

List of Publications by Year
in descending order

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	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
2	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
3	Risk adjustment and risk selection on the sickness fund insurance market in five European countries. Health Policy, 2003, 65, 75-98.	3.0	113
4	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
5	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
6	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
7	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
8	Chemical Fingerprints of Large Organic Molecules in Scanning Tunneling Microscopy: Imaging Adsorbateâ^Substrate Coupling of Metalloporphyrins. Journal of Physical Chemistry C, 2009, 113, 16450-16457.	3.1	61
9	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
10	Needs for further improvement: risk adjustment in the German health insurance system. Health Policy, 2003, 65, 21-35.	3.0	55
11	The new risk adjustment formula in Germany: Implementation and first experiences. Health Policy, 2013, 109, 253-262.	3.0	50
12	Oxygen Reduction and Evolution on Niâ€•modified Co₃O₄(1â€‰1â€‰1) Cathodes for Znâ€“Air Batteries: A Combined Surface Science and Electrochemical Model Study. ChemSusChem, 2020, 13, 3199-3211.	6.8	31
13	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
14	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
15	Intercalation and Deintercalation of Lithium at the Ionic Liquidâ€“Graphite(0001) Interface. Journal of Physical Chemistry Letters, 2017, 8, 5804-5809.	4.6	22
16	â€œSteepingâ€•of Health Expenditure Profiles. Geneva Papers on Risk and Insurance: Issues and Practice, 2006, 31, 581-599.	2.1	21
17	Modification of the Growth of Iron on Ag(111) by Predeposited Organic Monolayers. Zeitschrift Fur Physikalische Chemie, 2009, 223, 131-144.	2.8	21
18	High cost pool or high cost groupsâ€”How to handle high(est) cost cases in a risk adjustment mechanism?. Health Policy, 2016, 120, 141-147.	3.0	20

#	Article	IF	Citations
19	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
20	Structure formation and surface chemistry of ionic liquids on model electrode surfacesâ€"Model studies for the electrode | electrolyte interface in Li-ion batteries. Journal of Chemical Physics, 2018, 148, 193821.	3.0	17
21	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
22	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
23	Interaction of Ultrathin Films of Ethylene Carbonate with Oxidized and Reduced Lithium Cobalt Oxideâ€"A Model Study of the Cathode|Electrolyte Interface in Liâ€Ion Batteries. Advanced Materials Interfaces, 2019, 6, 1801650.	3.7	12
24	Surface Science and Electrochemical Model Studies on the Interaction of Graphite and Liâ€Containing Ionic Liquids. ChemSusChem, 2020, 13, 2589-2601.	6.8	12
25	Adsorption of Ultrathin Ethylene Carbonate Films on Pristine and Lithiated Graphite and Their Interaction with Li. Langmuir, 2018, 34, 8451-8463.	3.5	11
26	Temperature-dependent insertion and adsorption of lithium on spinel Li₄Ti₅O₁₂(111) thin films â€“ an angle-resolved XPS study. Physical Chemistry Chemical Physics, 2018, 20, 18319-18327.	2.8	11
27	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
28	Model Studies on the Formation of the Solid Electrolyte Interphase: Reaction of Li with Ultrathin Adsorbed Ionicâ€Liquid Films and Co 3 O 4 (111) Thin Films. ChemPhysChem, 2021, 22, 441-454.	2.1	9
29	Health Plan Payment in Germany. , 2018, , 295-329.		7
30	STM Investigation of Molecular Architectures of Porphyrinoids on a Ag(111) Surface. , 2010, , .		7
31	Interaction of Mg with the ionic liquid 1-butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imideâ€"An experimental and computational model study of the electrodeâ€"electrolyte interface in post-lithium batteries. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, .	2.1	6
32	UHV preparation and electrochemical/-catalytic properties of well-defined Coâ€" 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
33	Surface chemistry and electrochemistry of an ionic liquid and lithium on Li4Ti5O12(111)â€"A model study of the anode|electrolyte interface. Journal of Chemical Physics, 2019, 151, 134704.	3.0	4
34	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
35	Influence of regioisomerism in bis(terpyridine) based exciplexes with delayed fluorescence. Journal of Materials Chemistry C, 2022, 10, 7699-7706.	5.5	1
36	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