Bernard A Boukamp

List of Publications by Year
in descending order

33 papers	2,407 citations	270111 25 h-index	425179 34 g-index
35 all docs	35 docs citations	35 times ranked	2847 citing authors

#	Article	IF	Citations
1	Structure, electrical conductivity and oxygen transport properties of Ruddlesdenâ€“Popper phases Ln_{n+1}Ni_nO_{3n+1} (Ln = La, Pr and Nd; n = 1, 2 and 3). Journal of Materials Chemistry A, 2020, 8, 22206-22221.	5.2	34
2	Distribution (function) of relaxation times, successor to complex nonlinear least squares analysis of electrochemical impedance spectroscopy?. JPhys Energy, 2020, 2, 042001.	2.3	46
3	Use of a distribution function of relaxation times (DFRT) in impedance analysis of SOFC electrodes. Solid State Ionics, 2018, 314, 103-111.	1.3	93
4	Influence of ionic conductivity of the nano-particulate coating phase on oxygen surface exchange of La_{0.58}Sr_{0.4}Co_{0.2}Fe_{0.8}O_{3â˜Î´}. Journal of Materials Chemistry A, 2017, 5, 4991-4999.	5.2	38
5	Electron-Transfer Rates in Hostâ€“Guest Assemblies at Î²-Cyclodextrin Monolayers. Langmuir, 2017, 33, 8614-8623.	1.6	10
6	Derivation of a Distribution Function of Relaxation Times for the (fractal) Finite Length Warburg.. Electrochimica Acta, 2017, 252, 154-163.	2.6	85
7	Analysis and Application of Distribution of Relaxation Times in Solid State Ionics. Solid State Ionics, 2017, 302, 12-18.	1.3	101
8	Influence of Solution Properties and Process Parameters on the Formation and Morphology of YSZ and NiO Ceramic Nanofibers by Electrospinning. Nanomaterials, 2017, 7, 16.	1.9	41
9	Ca3Co4O9+Î´, a growing potential SOFC cathode material: Impact of the layer composition and thickness on the electrochemical properties. Solid State Ionics, 2016, 294, 21-30.	1.3	53
10	Flexible Yttrium-Stabilized Zirconia Nanofibers Offer Bioactive Cues for Osteogenic Differentiation of Human Mesenchymal Stromal Cells. ACS Nano, 2016, 10, 5789-5799.	7.3	62
11	Impedance of thin film cathodes: Thickness and current collector dependence. Solid State Ionics, 2015, 283, 81-90.	1.3	12
12	Fourier transform distribution function of relaxation times; application and limitations. Electrochimica Acta, 2015, 154, 35-46.	2.6	143
13	Oxygen surface exchange kinetics on PrBaCo2O5+Î´. Solid State Ionics, 2014, 262, 668-671.	1.3	21
14	Influence of configuration and microstructure on performance of La2NiO4+Î´ intermediate-temperature solid oxide fuel cells cathodes. Journal of Power Sources, 2013, 238, 442-453.	4.0	112
15	Effective improvement of interface modified strontium titanate based solid oxide fuel cell anodes by infiltration with nano-sized palladium and gadolinium-doped cerium oxide. Electrochimica Acta, 2013, 113, 635-643.	2.6	27
16	High-precision impedance spectroscopy: a strategy demonstrated on PZT. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 2521-2530.	1.7	8
17	Oxygen surface exchange kinetics of erbia-stabilized bismuth oxide. Journal of Solid State Electrochemistry, 2011, 15, 231-236.	1.2	36
18	Improved cathode/electrolyte interface of SOFC. Solid State Ionics, 2011, 192, 12-15.	1.3	85

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19	The impedance of thin dense oxide cathodes. Solid State Ionics, 2011, 192, 404-408.	1.3	16
20	A novel pulse isotopic exchange technique for rapid determination of the oxygen surface exchange rate of oxide ion conductors. Physical Chemistry Chemical Physics, 2009, 11, 9640.	1.3	111
21	Electrochemistry of Ferrocenyl Dendrimerâ^'Î²-Cyclodextrin Assemblies at the Interface of an Aqueous Solution and a Molecular Printboard. Journal of Physical Chemistry C, 2007, 111, 9799-9810.	1.5	45
22	Anodes sliced with ions. Nature Materials, 2006, 5, 517-518.	13.3	4
23	Transport processes in mixed conducting oxides: combining time domain experiments and frequency domain analysis. Journal of Solid State Electrochemistry, 2004, 8, 592-598.	1.2	19
24	Ionic and electronic conductivity in leadâ€“zirconateâ€“titanate (PZT). Solid State Ionics, 2004, 170, 239-254.	1.3	76
25	Impedance Spectroscopy, Strength and Limitations (Impedanzspektroskopie, StÃrken und Grenzen). TM Technisches Messen, 2004, 71, 454-459.	0.3	28
26	The amazing perovskite anode. Nature Materials, 2003, 2, 294-296.	13.3	111
27	Interpretation of an 'inductive loop' in the impedance of an oxygen ion conducting electrolyte/metal electrode system. Solid State Ionics, 2001, 143, 47-55.	1.3	39
28	Host-Guest Interactions at Self-Assembled Monolayers of Cyclodextrins on Gold. Chemistry - A European Journal, 2000, 6, 1176-1183.	1.7	42
29	Host-Guest Interactions at Self-Assembled Monolayers of Cyclodextrins on Gold. Chemistry - A European Journal, 2000, 6, 1176-1183.	1.7	81
30	Electrochemical Detection of Electrochemically Inactive Cations by Self-Assembled Monolayers of Crown Ethers. Journal of the American Chemical Society, 1998, 120, 4652-4657.	6.6	173
31	A Linear Kronigâ€Kramers Transform Test for Immittance Data Validation. Journal of the Electrochemical Society, 1995, 142, 1885-1894.	1.3	617
32	Surface Oxygen Exchange Kinetics in Oxide-Ion Conducting Solids. Materials Research Society Symposia Proceedings, 1992, 293, 361.	0.1	2
33	Impedance spectroscopy and surface study of potassium-selective silicone rubber membranes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 317, 153-168.	0.3	34