Wolfgang Schmickler

List of Publications by Year
in descending order

206 papers	7,377 citations	66343 42 h-index	79698 73 g-index
237 all docs	237 docs citations	237 times ranked	5279 citing authors

#	Article	IF	Citations
1	Volcano plots in hydrogen electrocatalysis â€“ uses and abuses. Beilstein Journal of Nanotechnology, 2014, 5, 846-854.	2.8	410
2	Defining the transfer coefficient in electrochemistry: An assessment (IUPAC Technical Report). Pure and Applied Chemistry, 2014, 86, 245-258.	1.9	361
3	Interfacial Electrochemistry. , 2010, , .		313
4	Interfacial Electrochemistry. , 1996, , .		273
5	A theory of adiabatic electron-transfer reactions. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1986, 204, 31-43.	0.1	246
6	Electronic Effects in the Electric Double Layer. Chemical Reviews, 1996, 96, 3177-3200.	47.7	221
7	New models for the structure of the electrochemical interface. Progress in Surface Science, 1986, 22, 323-419.	8.3	182
8	Theory of electrocatalysis: hydrogen evolution and more. Physical Chemistry Chemical Physics, 2012, 14, 11224.	2.8	166
9	Model for the electrocatalysis of hydrogen evolution. Physical Review B, 2009, 79, .	3.2	142
10	The interphase between jellium and a hard sphere electrolyte. A model for the electric double layer. Journal of Chemical Physics, 1984, 80, 3381-3386.	3.0	138
11	Nonlocal electrostatic approach to the problem of a double layer at a metal-electrolyte interface. Physical Review B, 1982, 25, 5244-5256.	3.2	136
12	Definition of the transfer coefficient in electrochemistry (IUPAC Recommendations 2014). Pure and Applied Chemistry, 2014, 86, 259-262.	1.9	124
13	A unified model for electrochemical electron and ion transfer reactions. Chemical Physics Letters, 1995, 237, 152-160.	2.6	119
14	Why is Gold such a Good Catalyst for Oxygen Reduction in Alkaline Media?. Angewandte Chemie - International Edition, 2012, 51, 12997-13000.	13.8	118
15	Comment on â€œTrends in the Exchange Current for Hydrogen Evolutionâ€•[J. Electrochem. Soc., 152, J23 (2005)]. Journal of the Electrochemical Society, 2006, 153, L31.	2.9	106
16	Recent developments in models for the interface between a metal and an aqueous solution. Electrochimica Acta, 2000, 45, 2317-2338.	5.2	105
17	The Influence of the Metal on the Kinetics of Outer Sphere Redox Reactions. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1985, 89, 138-142.	0.9	101
18	Investigation of electrochemical electron transfer reactions with a scanning tunneling microscope: a theoretical study. Surface Science, 1993, 295, 43-56.	1.9	97

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19	d-Band Catalysis in Electrochemistry. ChemPhysChem, 2006, 7, 2282-2285.	2.1	94
20	Electron and ion transfer reactions on metal electrodes. Electrochimica Acta, 1996, 41, 2329-2338.	5.2	92
21	The thermodynamics of electrochemical annealing. Surface Science, 2005, 595, 127-137.	1.9	87
22	Electrocatalysis of Hydrogen Oxidationâ€"Theoretical Foundations. Angewandte Chemie - International Edition, 2007, 46, 8262-8265.	13.8	84
23	The interphase between jellium and a hard sphere electrolyte: Capacityâ€"charge characteristics and dipole potentials. Journal of Chemical Physics, 1986, 85, 1650-1657.	3.0	78
24	Measuring the inverted region of an electron transfer reaction with a scanning tunneling microscope. Electrochimica Acta, 1997, 42, 2809-2815.	5.2	75
25	The partial charge transfer. Electrochimica Acta, 2014, 127, 489-505.	5.2	70
26	Hydrogen Electrocatalysis on Single Crystals and on Nanostructured Electrodes. ChemPhysChem, 2011, 12, 2274-2279.	2.1	69
27	Differential capacitance of ionic liquid interface with graphite: the story of two double layers. Journal of Solid State Electrochemistry, 2014, 18, 1345-1349.	2.5	67
28	Impedance studies of reconstructed and non-reconstructed gold single crystal surfaces. Journal of Electroanalytical Chemistry, 1996, 419, 23-31.	3.8	65
29	Hydrogen evolution on silver single crystal electrodesâ€"first results. Journal of Electroanalytical Chemistry, 1999, 461, 76-79.	3.8	65
30	Ionic adsorption and the surface dipole potential. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1987, 235, 387-392.	0.1	59
31	The electric double layer on graphite. Electrochimica Acta, 2012, 71, 82-85.	5.2	53
32	On the mechanism of electrochemical ion transfer reactions. Journal of Electroanalytical Chemistry, 1995, 394, 29-34.	3.8	52
33	Controlling the Dimensionality of Charge Transport in an Organic Electrochemical Transistor by Capacitive Coupling. Advanced Materials, 2011, 23, 4764-4769.	21.0	52
34	An Anderson model for electrosorption. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1985, 185, 253-261.	0.1	51
35	A model for the charge transfer to alkali adsorbates. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1979, 100, 533-546.	0.1	50
36	The surface dipole moment of species adsorbed from a solution. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 249, 25-33.	0.1	49

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37	On the capacity of liquid-liquid interfaces. Chemical Physics Letters, 1997, 268, 13-20.	2.6	49
38	The rate of electrochemical electron-transfer reactions. Journal of Chemical Physics, 2002, 117, 2867-2872.	3.0	47
39	Why Silver Deposition is so Fast: Solving the Enigma of Metal Deposition. Angewandte Chemie - International Edition, 2013, 52, 7883-7885.	13.8	47
40	Fundamental aspects of electrocatalysis. Chemical Physics, 2007, 332, 39-47.	1.9	46
41	The Preâ€exponential Factor in Electrochemistry. Angewandte Chemie - International Edition, 2018, 57, 7948-7956.	13.8	46
42	A model for electrochemical proton-transfer reactions. Chemical Physics, 1998, 228, 265-277.	1.9	45
43	On the electrocatalysis of nanostructures: Monolayers of a foreign atom (Pd) on different substrates M(111). Electrochimica Acta, 2010, 55, 4346-4352.	5.2	45
44	On the coverage dependence of the partial charge transfer coefficient. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1986, 202, 1-21.	0.1	44
45	A model for bond-breaking electron transfer at metal electrodes. Chemical Physics Letters, 2006, 419, 421-425.	2.6	42
46	A Model for Proton Transfer to Metal Electrodes. Journal of Physical Chemistry C, 2008, 112, 10814-10826.	3.1	42
47	Exactly Solvable Quantum Model for Electrochemical Electron-Transfer Reactions. Physical Review Letters, 2000, 84, 1051-1054.	7.8	40
48	Generation of palladium clusters on Au(111) electrodes: Experiments and simulations. Applied Physics Letters, 2002, 81, 2635-2637.	3.3	39
49	A model for ion transfer through liquid|liquid interfaces. Journal of Electroanalytical Chemistry, 1997, 426, 5-9.	3.8	38
50	Double layer theory. Journal of Solid State Electrochemistry, 2020, 24, 2175-2176.	2.5	38
51	Mediated electron exchange between an electrode and the tip of a scanning tunneling microscope â€" a stochastic approach. Chemical Physics, 2002, 282, 371-377.	1.9	37
52	Step Line Tension on a Metal Electrode. Physical Review Letters, 2003, 91, 016106.	7.8	36
53	Hydrogen evolution at Pt(111) â€" activation energy, frequency factor and hydrogen repulsion. Electrochimica Acta, 2017, 255, 391-395.	5.2	36
54	Bond-breaking electron transfer of diatomic reactants at metal electrodes. Chemical Physics, 2008, 344, 195-201.	1.9	35

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55	A model for the Heyrovsky reaction as the second step in hydrogen evolution. Physical Chemistry Chemical Physics, 2011, 13, 6992.	2.8	34
56	Screening of ions in carbon and gold nanotubes â€" A theoretical study. Electrochemistry Communications, 2014, 45, 48-51.	4.7	34
57	The potential of zero charge of jellium. Chemical Physics Letters, 1983, 99, 135-139.	2.6	33
58	A theory for amalgam forming electrode reactions. Journal of Electroanalytical Chemistry, 1998, 450, 83-94.	3.8	33
59	Monte Carlo simulation of electrochemical electron transfer processes. Journal of Electroanalytical Chemistry, 2002, 532, 171-180.	3.8	33
60	The influence of metal adatoms deposited at underpotential on the kinetics of an outer-sphere redox reaction. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1985, 194, 355-359.	0.1	32
61	Microscopic modelling of the reduction of a Zn(II) aqua-complex on metal electrodes. Chemical Physics, 2005, 310, 257-268.	1.9	32
62	A model for combined electron and proton transfer in electrochemical systems. Chemical Physics Letters, 2005, 416, 316-320.	2.6	32
63	Nanotubes for charge storage â€" towards an atomistic model. Electrochimica Acta, 2015, 162, 11-16.	5.2	31
64	Spin effects in oxygen electrocatalysis: A discussion. Electrochemistry Communications, 2013, 33, 14-17.	4.7	30
65	The Crucial Role of Local Excess Charges in Dendrite Growth on Lithium Electrodes. Angewandte Chemie - International Edition, 2021, 60, 5876-5881.	13.8	30
66	The effect of quantum vibrations on electrochemical outer sphere redox reactions. Electrochimica Acta, 1976, 21, 161-168.	5.2	29
67	Hydrogen electrocatalysis on overlayers of rhodium over gold and palladium substratesâ€"more active than platinum?. Physical Chemistry Chemical Physics, 2011, 13, 16437.	2.8	29
68	A model for bridge-assisted electron exchange between two electrodes. Chemical Physics, 2003, 289, 349-357.	1.9	28
69	Changes in the surface energy during the reconstruction of Au(100) and Au(111) electrodes. Chemical Physics Letters, 2004, 400, 26-29.	2.6	28
70	On the generation of metal clusters with the electrochemical scanning tunneling microscope. Surface Science, 2005, 597, 133-155.	1.9	28
71	On the Electrochemical Deposition and Dissolution of Divalent Metal Ions. ChemPhysChem, 2014, 15, 132-138.	2.1	28
72	On the feasibility of bifunctional hydrogen oxidation on Ni and NiCu surfaces. Electrochimica Acta, 2019, 305, 452-458.	5.2	28

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73	An approach to optimised calculations of the potential energy surfaces for the case of electron transfer reactions at a metal/solution interface. Chemical Physics Letters, 2004, 399, 307-314.	2.6	27
74	Solvated protons in density functional theoryâ€"A few examples. Electrochimica Acta, 2013, 105, 248-253.	5.2	27
75	Electron transfer at different electrode materials: Metals, semiconductors, and graphene. Current Opinion in Electrochemistry, 2020, 19, 106-112.	4.8	27
76	Dynamics of combined electron- and proton transfer at metal electrodes. Chemical Physics, 2007, 334, 8-17.	1.9	26
77	A theory for nonadiabatic electrochemical electron-transfer reactions involving the breaking of a bond. Chemical Physics Letters, 2000, 317, 458-463.	2.6	25
78	Hydrogen evolution and oxidationâ€"a prototype for an electrocatalytic reaction. Journal of Solid State Electrochemistry, 2009, 13, 1101-1109.	2.5	25
79	Hydrogen Evolution on Singleâ€Crystal Copper and Silver: A Theoretical Study. ChemPhysChem, 2010, 11, 1491-1495.	2.1	25
80	Recent Progress in Hydrogen Electrocatalysis. Advances in Physical Chemistry, 2011, 2011, 1-14.	2.0	25
81	The influence of the ions on the capacity of liquidâ^£liquid interfaces. Journal of Electroanalytical Chemistry, 1999, 467, 203-206.	3.8	24
82	Theoretical study of a non-adiabatic dissociative electron transfer reaction. Journal of Electroanalytical Chemistry, 2003, 554-555, 201-209.	3.8	24
83	Electronic interactions decreasing the activation barrier for the hydrogen electro-oxidation reaction. Electrochimica Acta, 2008, 53, 6149-6156.	5.2	24
84	Are the reactions of quinones on graphite adiabatic?. Electrochimica Acta, 2013, 88, 892-894.	5.2	24
85	Chlorineâ€Enhanced Surface Mobility of Au(100). ChemPhysChem, 2013, 14, 233-236.	2.1	24
86	Electrochemical Adsorption of OH on Pt(111) in Alkaline Solutions: Combining DFT and Molecular Dynamics. ChemPhysChem, 2014, 15, 2003-2009.	2.1	24
87	Electrochemical reduction of the O2 molecule to the radical ion â€" A theoretical approach. Journal of Electroanalytical Chemistry, 2006, 586, 297-307.	3.8	23
88	Electrochemical reactivity and fractional conductance of nanowires. Electrochemistry Communications, 2009, 11, 1764-1767.	4.7	23
89	On the catalysis of the hydrogen oxidation. Faraday Discussions, 2009, 140, 209-218.	3.2	23
90	Oxygen reduction reaction on gold in alkaline solutions â€" The inner or outer sphere mechanisms in the light of recent achievements. Current Opinion in Electrochemistry, 2019, 14, 180-185.	4.8	23

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91	Quantum effects in adiabatic electrochemical electron-transfer reactions. Chemical Physics, 1997, 220, 95-114.	1.9	22
92	Adiabatic electrochemical electron-transfer reactions involving frequency changes of inner-sphere modes. Electrochemistry Communications, 1999, 1, 402-405.	4.7	21
93	A simulation of an electrochemical adiabatic electron-transfer reaction. Chemical Physics Letters, 2000, 327, 314-318.	2.6	21
94	A latticeâ€"gas model for ion pairing at liquidâˆ£liquid interfaces. Journal of Electroanalytical Chemistry, 2000, 483, 18-21.	3.8	21
95	Simulations of adiabatic bond-breaking electron transfer reactions on metal electrodes. Chemical Physics, 2002, 278, 147-158.	1.9	21
96	A new simulation model for electrochemical metal deposition. Chemical Physics, 2006, 320, 149-154.	1.9	21
97	A model for electrochemical electron transfer with strong electronic coupling. Chemical Physics, 2006, 324, 140-147.	1.9	20
98	Cyanide-modified Pt(111): Structure, stability and hydrogen adsorption. Electrochimica Acta, 2012, 82, 524-533.	5.2	20
99	A scenario for oxygen reduction in alkaline media. Nano Energy, 2016, 26, 558-564.	16.0	20
100	Modeling proton transfer to charged silver electrodes. Electrochimica Acta, 2011, 56, 10632-10644.	5.2	19
101	On the Energetics of Ions in Carbon and Gold Nanotubes. ChemPhysChem, 2016, 17, 78-85.	2.1	19
102	Models of Electron Transfer at Different Electrode Materials. Chemical Reviews, 2022, 122, 10581-10598.	47.7	19
103	A model for proton transfer on non-catalytic metals. Journal of Electroanalytical Chemistry, 1997, 431, 47-50.	3.8	18
104	Proton transfer to charged platinum electrodes. A molecular dynamics trajectory study. Journal of Physics Condensed Matter, 2010, 22, 175001.	1.8	18
105	The solvent influence on the electrochemical transfer of divalent ions. Chemical Physics, 2000, 252, 349-357.	1.9	17
106	Structure of liquid|liquid interfaces from a lattice gas model. Journal of Electroanalytical Chemistry, 2004, 564, 239-243.	3.8	17
107	Island dynamics on charged silver electrodes: Kinetic Monte-Carlo simulations. Electrochimica Acta, 2009, 54, 4494-4500.	5.2	17
108	Oxygen Reduction in Alkaline Mediaâ€"a Discussion. Electrocatalysis, 2017, 8, 554-564.	3.0	17

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109	Temperature Dependence of the Protonâ€Discharge Reaction at Gold and Silver Electrodes. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1988, 92, 1412-1417.	0.9	16
110	Theory of electrochemical monoatomic nanowires. Physical Review B, 2006, 74, .	3.2	16
111	Selfâ€Diffusion on Au(100): A Density Functional Theory Study. ChemPhysChem, 2010, 11, 1395-1404.	2.1	16
112	A simulation of two-dimensional Ostwald ripening on silver electrodes. Electrochimica Acta, 2010, 55, 5411-5413.	5.2	15
113	A simple model for charge storage in a nanotube. Electrochimica Acta, 2015, 173, 91-95.	5.2	15
114	A scenario for oxygen reduction in alkaline media. Nano Energy, 2016, 29, 362-368.	16.0	15
115	The instability of vicinal electrode surfaces against step bunching II: Theory. Surface Science, 2004, 573, 24-31.	1.9	14
116	Effects of friction and asymmetric inner sphere reorganization energy on the electron transfer reaction rateâ€"Two-dimensional simulations. Electrochimica Acta, 2007, 52, 5621-5633.	5.2	14
117	Understanding the structure and reactivity of NiCu nanoparticles: an atomistic model. Physical Chemistry Chemical Physics, 2017, 19, 26812-26820.	2.8	14
118	A Dipole Model for the Outer Solvation Sphere and its Application to Outer Sphere Electron Transfer Reactions. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1976, 80, 834-838.	0.9	13
119	Hydrogen oxidation on ordered intermetallic phases of platinum and tin â€" A combined experimental and theoretical study. Catalysis Today, 2013, 202, 191-196.	4.4	13
120	Electrochemistry of single nanoparticles: general discussion. Faraday Discussions, 2016, 193, 387-413.	3.2	13
121	Hydrogen reaction and electrocatalysis. , 2010, , 163-175.		13
122	On the dynamics of electrochemical ion-transfer reactions. Journal of Electroanalytical Chemistry, 1998, 450, 303-311.	3.8	12
123	The structure of electrodeposits â€" a computer simulation study. Applied Physics A: Materials Science and Processing, 2007, 87, 385-389.	2.3	12
124	Interactions of anions and cations in carbon nanotubes. Faraday Discussions, 2016, 193, 415-426.	3.2	12
125	Oxygen Reduction on Ag(100) in Alkaline Solutionsâ€"A Theoretical Study. ChemPhysChem, 2016, 17, 500-505.	2.1	12
126	Electron transfer across a conducting nanowire (nanotube)/electrolyte solution interface. Electrochimica Acta, 2009, 55, 68-77.	5.2	11

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127	Orbital Overlap Effects in Electron Transfer Reactions across a Metal Nanowire/Electrolyte Solution Interface. Journal of Physical Chemistry C, 2013, 117, 13021-13027.	3.1	11
128	Oxygenâ€Terminated Diamond Electrodes in Alkaline Media: Structure and OH Generation. ChemElectroChem, 2014, 1, 933-939.	3.4	11
129	Determining Electrochemical Surface Stress of Single Nanowires. Angewandte Chemie - International Edition, 2017, 56, 2132-2135.	13.8	11
130	Adiabatic Electronâ€Transfer Reactions on Semiconducting Electrodes. ChemPhysChem, 2017, 18, 111-116.	2.1	11
131	Ion transfer across liquidâˆ£liquid interfaces from transition-state theory and stochastic molecular dynamics simulations. Journal of Electroanalytical Chemistry, 2006, 590, 138-144.	3.8	10
132	A model for the electrical double layer combining integral equation techniques with quantum density functional theory. Electrochimica Acta, 2011, 56, 7298-7302.	5.2	10
133	Stability and Hydrogen Affinity of Graphite-Supported Wires of Cu, Ag, Au, Ni, Pd, and Pt. Journal of Physical Chemistry C, 2013, 117, 19239-19244.	3.1	10
134	Adiabatic and non-adiabatic electrochemical electron transfer in terms of Greenâ€™s function theory. Russian Journal of Electrochemistry, 2017, 53, 1182-1188.	0.9	10
135	On the capacitance of narrow nanotubes. Physical Chemistry Chemical Physics, 2017, 19, 20393-20400.	2.8	10
136	Defying Coulomb's law: A lattice-induced attraction between lithium ions. Carbon, 2018, 139, 808-812.	10.3	10
137	Tuning the rate of an outer-sphere electron transfer by changing the electronic structure of carbon nanotubes. Journal of Electroanalytical Chemistry, 2019, 847, 113186.	3.8	10
138	Recent Advances in Theoretical Aspects of Electrocatalysis. Modern Aspects of Electrochemistry, 2010, , 25-88.	0.2	10
139	Probing the temperature dependence of proton transfer to charged platinum electrodes by reactive molecular dynamics trajectory studies. Electrochimica Acta, 2013, 101, 341-346.	5.2	9
140	Some properties of intermetallic compounds of Sn with noble metals relevant for hydrogen electrocatalysis. Electrochimica Acta, 2014, 116, 39-43.	5.2	9
141	A model for the coadsorption of ions. Journal of Electroanalytical Chemistry, 1992, 329, 159-169.	3.8	8
142	The effect of â€˜hotâ€™ electrons on the heterogeneous adiabatic charge transfer reactions. Chemical Physics Letters, 2006, 429, 457-463.	2.6	8
143	Hydrogen evolution on a pseudomorphic Cu-layer on Ni(111) â€“ A theoretical study. Journal of Electroanalytical Chemistry, 2010, 649, 149-152.	3.8	8
144	Bond breaking electron transfer across a conducting nanowire(nanotube)/electrolyte solution interface: The role of electrical double layer effects. Journal of Electroanalytical Chemistry, 2011, 660, 309-313.	3.8	8

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145	Catalyzed bond-breaking electron transfer: Effect of the separation of the reactant from the electrode. Journal of Electroanalytical Chemistry, 2007, 607, 101-106.	3.8	7
146	Stability of Gold and Platinum Nanowires on Graphite Edges. ChemPhysChem, 2010, 11, 2361-2366.	2.1	7
147	Hydrogen Oxidation in Alkaline Media: the Bifunctional Mechanism for Water Formation. Electrocatalysis, 2019, 10, 584-590.	3.0	7
148	The initial stage of OH adsorption on Ni(111). Journal of Electroanalytical Chemistry, 2019, 832, 137-141.	3.8	7
149	Electrochemistry of Ce(IV)/Ce(III) redox couples in mixed solutions for aqueous flow battery: Experimental and molecular modelling study. Electrochimica Acta, 2021, 368, 137601.	5.2	7
150	A model for the effect of ion pairing on an outer sphere electron transfer. Physical Chemistry Chemical Physics, 2020, 22, 13923-13929.	2.8	7
151	Spiral Adsorbate Structures on Monoatomic Nanowire Electrodes. ChemPhysChem, 2008, 9, 1371-1374.	2.1	6
152	MD simulations of heterogeneous reduction of the tert-butyl bromide molecule. Electrochimica Acta, 2010, 55, 2442-2450.	5.2	6
153	Inner sphere and ion-transfer reactions. , 2010, , 145-162.		6
154	A first principles study of the hydrogen reaction in alkaline media: OH effect. International Journal of Hydrogen Energy, 2012, 37, 14796-14800.	7.1	6
155	Determining Electrochemical Surface Stress of Single Nanowires. Angewandte Chemie, 2017, 129, 2164-2167.	2.0	6
156	Oxidation of oxalic acid on boron-doped diamond electrode in acidic solutions. Journal of Electroanalytical Chemistry, 2018, 819, 410-416.	3.8	6
157	Die entscheidende Rolle von lokalen Ladungsfluktuationen beim Wachstum von Dendriten auf Lithiumâ€Elektroden. Angewandte Chemie, 2021, 133, 5940-5945.	2.0	6
158	The semiconductor-electrolyte interface. , 2010, , 117-131.		5
159	Electron transfer to heteronuclear diatomic molecules. Journal of Electroanalytical Chemistry, 2011, 660, 314-319.	3.8	5
160	On the Theory of Electrocatalysis. , 2017, , 95-111.		5
161	Interaction between chloride ions mediated by carbon nanotubes: a chemical attraction. Journal of Solid State Electrochemistry, 2020, 24, 3207-3214.	2.5	5
162	Charge storage in two-dimensional systems. Journal of Electroanalytical Chemistry, 2020, 872, 114101.	3.8	5

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163	Hydrogen adsorption on doped graphene investigated by a DFT-based tight-binding method. Journal of Physics Condensed Matter, 2021, 33, 504001.	1.8	5
164	Adsorption on metal electrodes: principles. , 2010, , 51-65.		5
165	The approach of alkali ions towards an electrode surface â€" A molecular dynamics study. Chemical Physics Letters, 2022, 795, 139518.	2.6	5
166	Electrochemical Electron Transfer: From Marcus Theory to Electrocatalysis. , 0, , 31-55.		4
167	The double-layer capacity of nitrogen-doped graphite. Electrochemistry Communications, 2013, 36, 50-52.	4.7	4
168	From single cells to single molecules: general discussion. Faraday Discussions, 2016, 193, 141-170.	3.2	4
169	An Unusual Exchange Mechanism in the Tafel Reaction on Pt(110)â€(1Ã—1) Surfaces. ChemElectroChem, 2019, 6, 3279-3284.	3.4	4
170	Interactions of ions across carbon nanotubes. Physical Chemistry Chemical Physics, 2020, 22, 10603-10608.	2.8	4
171	On the first step in zinc deposition â€" A case of nonlinear coupling with the solvent. Electrochemistry Communications, 2021, 122, 106876.	4.7	4
172	Copper Deposition from Chloride-Containing Aqueous Solutions: Catalysis and the Role of the Water Structure. Journal of Physical Chemistry C, 2021, 125, 1811-1818.	3.1	4
173	Catalysis of hydrogen evolution on Pt(111) by absorbed hydrogen. Journal of Chemical Physics, 2021, 155, 181101.	3.0	4
174	Some properties of electrochemical nanostructures. Journal of Chemical Sciences, 2009, 121, 575-577.	1.5	3
175	Transient behaviour of electron exchange between a molecular wire and a metal electrode. Electrochimica Acta, 2011, 56, 5245-5251.	5.2	3
176	Intrinsic stability and hydrogen affinity of pure and bimetallic nanowires. Journal of Chemical Physics, 2011, 134, 174106.	3.0	3
177	Mechanism and kinetics of electrochemical reduction of tert-butyl bromide molecule - improvement of theoretical model. Electrochimica Acta, 2014, 134, 363-370.	5.2	3
178	The electronic response of the metal in simulations of the electric double layer. Journal of Electroanalytical Chemistry, 2020, 856, 113664.	3.8	3
179	Metal deposition and dissolution. , 2010, , 177-193.		3
180	The metal-solution interface. , 2010, , 39-50.		3

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181	Stochastic simulations of electrochemical electron transfer reactions. Journal of Applied Electrochemistry, 2006, 36, 1231-1235.	2.9	2
182	In Search of Lost Platinum. ChemPhysChem, 2013, 14, 881-883.	2.1	2
183	Der prÃexponentielle Faktor in der Elektrochemie. Angewandte Chemie, 2018, 130, 8076-8085.	2.0	2
184	Why are trace amounts of chloride so highly surface-active?. Journal of Electroanalytical Chemistry, 2019, 847, 113128.	3.8	2
185	The Mechanism of Oxidation of Formic Acid in Acidic Solutions on Boronâ€Doped Diamond Electrodes: A Quantum Chemical Study. ChemElectroChem, 2019, 6, 2901-2907.	3.4	2
186	Metal and semiconductor electrodes. , 2010, , 9-18.		2
187	Desorption of hydrogen from graphene induced by charge injection. ChemElectroChem, 0, , .	3.4	2
188	A FIRST APPROXIMATION TO SIMULATE THE ELECTRO-POLYMERIZATION PROCESS. Journal of the Chilean Chemical Society, 2012, 57, 1267-1271.	1.2	1
189	Nanopores: general discussion. Faraday Discussions, 2016, 193, 507-531.	3.2	1
190	Reactions at the nanoscale: general discussion. Faraday Discussions, 2016, 193, 265-292.	3.2	1
191	Theoretical Investigation of the Self-Diffusion on Au(100). , 2007, , 171-185.		1
192	Corrigendum to â€œIon transfer across liquidâ€"liquid interfaces from transition-state theory and stochastic molecular dynamics simulationsâ€•[JEC 590(2) (2006) 138â€"144]. Journal of Electroanalytical Chemistry, 2007, 599, 376.	3.8	0
193	Electrolyte solutions. , 2010, , 19-27.		0
194	Frontispiz: Die entscheidende Rolle von lokalen Ladungsfluktuationen beim Wachstum von Dendriten auf Lithiumâ€Elektroden. Angewandte Chemie, 2021, 133, .	2.0	0
195	Frontispiece: The Crucial Role of Local Excess Charges in Dendrite Growth on Lithium Electrodes. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0
196	Theories and Simulations for Electrochemical Nanostructures. Nanostructure Science and Technology, 2009, , 1-31.	0.1	0
197	Selected experimental results for electron-transfer reactions. , 2010, , 133-143.		0
198	Electrochemical surface processes. , 2010, , 195-206.		0

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199	Experimental techniques for electrode kinetics â€“ non-stationary methods. , 2010, , 235-257.		0
200	Adsorption on metal electrodes: examples. , 2010, , 67-76.		0
201	Thermodynamics of ideal polarizable interfaces. , 2010, , 77-89.		0
202	Convection techniques. , 2010, , 259-267.		0
203	Complex reactions. , 2010, , 207-215.		0
204	Phenomenological treatment of electron-transfer reactions. , 2010, , 91-98.		0
205	Introduction to the special issue: the physics of electrocatalysis. Journal of Physics Condensed Matter, 2022, 34, 290401.	1.8	0
206	Desorption of Hydrogen from Graphene Induced by Charge Injection. ChemElectroChem, 0, , .	3.4	0