Wolfgang Schmickler

List of Publications by Year
in descending order

206	7,377	66343	79698
papers	citations	42 h-index	73 g-index

237	237	237	5279
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Models of Electron Transfer at Different Electrode Materials. Chemical Reviews, 2022, 122, 10581-10598.	47.7	19
2	The approach of alkali ions towards an electrode surface â€“ A molecular dynamics study. Chemical Physics Letters, 2022, 795, 139518.	2.6	5
3	Introduction to the special issue: the physics of electrocatalysis. Journal of Physics Condensed Matter, 2022, 34, 290401.	1.8	0
4	On the first step in zinc deposition â€“ A case of nonlinear coupling with the solvent. Electrochemistry Communications, 2021, 122, 106876.	4.7	4
5	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
6	Die entscheidende Rolle von lokalen Ladungsfluktuationen beim Wachstum von Dendriten auf Lithiumâ€Elektroden. Angewandte Chemie, 2021, 133, 5940-5945.	2.0	6
7	The Crucial Role of Local Excess Charges in Dendrite Growth on Lithium Electrodes. Angewandte Chemie - International Edition, 2021, 60, 5876-5881.	13.8	30
8	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
9	Frontispiz: Die entscheidende Rolle von lokalen Ladungsfluktuationen beim Wachstum von Dendriten auf Lithiumâ€Elektroden. Angewandte Chemie, 2021, 133, .	2.0	0
10	Frontispiece: The Crucial Role of Local Excess Charges in Dendrite Growth on Lithium Electrodes. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0
11	Hydrogen adsorption on doped graphene investigated by a DFT-based tight-binding method. Journal of Physics Condensed Matter, 2021, 33, 504001.	1.8	5
12	Catalysis of hydrogen evolution on Pt(111) by absorbed hydrogen. Journal of Chemical Physics, 2021, 155, 181101.	3.0	4
13	Interactions of ions across carbon nanotubes. Physical Chemistry Chemical Physics, 2020, 22, 10603-10608.	2.8	4
14	Electron transfer at different electrode materials: Metals, semiconductors, and graphene. Current Opinion in Electrochemistry, 2020, 19, 106-112.	4.8	27
15	The electronic response of the metal in simulations of the electric double layer. Journal of Electroanalytical Chemistry, 2020, 856, 113664.	3.8	3
16	Interaction between chloride ions mediated by carbon nanotubes: a chemical attraction. Journal of Solid State Electrochemistry, 2020, 24, 3207-3214.	2.5	5
17	Double layer theory. Journal of Solid State Electrochemistry, 2020, 24, 2175-2176.	2.5	38
18	Charge storage in two-dimensional systems. Journal of Electroanalytical Chemistry, 2020, 872, 114101.	3.8	5

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19	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
20	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
21	Hydrogen Oxidation in Alkaline Media: the Bifunctional Mechanism for Water Formation. Electrocatalysis, 2019, 10, 584-590.	3.0	7
22	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
23	An Unusual Exchange Mechanism in the Tafel Reaction on Pt(110)â€(1Ã—1) Surfaces. ChemElectroChem, 2019, 6, 3279-3284.	3.4	4
24	Why are trace amounts of chloride so highly surface-active?. Journal of Electroanalytical Chemistry, 2019, 847, 113128.	3.8	2
25	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
26	On the feasibility of bifunctional hydrogen oxidation on Ni and NiCu surfaces. Electrochimica Acta, 2019, 305, 452-458.	5.2	28
27	The initial stage of OH adsorption on Ni(111). Journal of Electroanalytical Chemistry, 2019, 832, 137-141.	3.8	7
28	The Preâ€exponential Factor in Electrochemistry. Angewandte Chemie - International Edition, 2018, 57, 7948-7956.	13.8	46
29	Der prÃexponentielle Faktor in der Elektrochemie. Angewandte Chemie, 2018, 130, 8076-8085.	2.0	2
30	Oxidation of oxalic acid on boron-doped diamond electrode in acidic solutions. Journal of Electroanalytical Chemistry, 2018, 819, 410-416.	3.8	6
31	Defying Coulomb's law: A lattice-induced attraction between lithium ions. Carbon, 2018, 139, 808-812.	10.3	10
32	Determining Electrochemical Surface Stress of Single Nanowires. Angewandte Chemie, 2017, 129, 2164-2167.	2.0	6
33	Determining Electrochemical Surface Stress of Single Nanowires. Angewandte Chemie - International Edition, 2017, 56, 2132-2135.	13.8	11
34	Oxygen Reduction in Alkaline Mediaâ€”a Discussion. Electrocatalysis, 2017, 8, 554-564.	3.0	17
35	On the Theory of Electrocatalysis. , 2017, , 95-111.		5
36	Hydrogen evolution at Pt(111) â€“ activation energy, frequency factor and hydrogen repulsion. Electrochimica Acta, 2017, 255, 391-395.	5.2	36

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37	Understanding the structure and reactivity of NiCu nanoparticles: an atomistic model. Physical Chemistry Chemical Physics, 2017, 19, 26812-26820.	2.8	14
38	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
39	On the capacitance of narrow nanotubes. Physical Chemistry Chemical Physics, 2017, 19, 20393-20400.	2.8	10
40	Adiabatic Electronâ€Transfer Reactions on Semiconducting Electrodes. ChemPhysChem, 2017, 18, 111-116.	2.1	11
41	From single cells to single molecules: general discussion. Faraday Discussions, 2016, 193, 141-170.	3.2	4
42	Electrochemistry of single nanoparticles: general discussion. Faraday Discussions, 2016, 193, 387-413.	3.2	13
43	Nanopores: general discussion. Faraday Discussions, 2016, 193, 507-531.	3.2	1
44	On the Energetics of Ions in Carbon and Gold Nanotubes. ChemPhysChem, 2016, 17, 78-85.	2.1	19
45	Interactions of anions and cations in carbon nanotubes. Faraday Discussions, 2016, 193, 415-426.	3.2	12
46	A scenario for oxygen reduction in alkaline media. Nano Energy, 2016, 29, 362-368.	16.0	15
47	Reactions at the nanoscale: general discussion. Faraday Discussions, 2016, 193, 265-292.	3.2	1
48	A scenario for oxygen reduction in alkaline media. Nano Energy, 2016, 26, 558-564.	16.0	20
49	Oxygen Reduction on Ag(100) in Alkaline Solutionsâ€”A Theoretical Study. ChemPhysChem, 2016, 17, 500-505.	2.1	12
50	A simple model for charge storage in a nanotube. Electrochimica Acta, 2015, 173, 91-95.	5.2	15
51	Nanotubes for charge storage â€“ towards an atomistic model. Electrochimica Acta, 2015, 162, 11-16.	5.2	31
52	On the Electrochemical Deposition and Dissolution of Divalent Metal Ions. ChemPhysChem, 2014, 15, 132-138.	2.1	28
53	Definition of the transfer coefficient in electrochemistry (IUPAC Recommendations 2014). Pure and Applied Chemistry, 2014, 86, 259-262.	1.9	124
54	Defining the transfer coefficient in electrochemistry: An assessment (IUPAC Technical Report). Pure and Applied Chemistry, 2014, 86, 245-258.	1.9	361

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55	Some properties of intermetallic compounds of Sn with noble metals relevant for hydrogen electrocatalysis. Electrochimica Acta, 2014, 116, 39-43.	5.2	9
56	Oxygenâ€Terminated Diamond Electrodes in Alkaline Media: Structure and OH Generation. ChemElectroChem, 2014, 1, 933-939.	3.4	11
57	Electrochemical Adsorption of OH on Pt(111) in Alkaline Solutions: Combining DFT and Molecular Dynamics. ChemPhysChem, 2014, 15, 2003-2009.	2.1	24
58	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
59	Mechanism and kinetics of electrochemical reduction of tert-butyl bromide molecule - improvement of theoretical model. Electrochimica Acta, 2014, 134, 363-370.	5.2	3
60	Screening of ions in carbon and gold nanotubes â€" A theoretical study. Electrochemistry Communications, 2014, 45, 48-51.	4.7	34
61	The partial charge transfer. Electrochimica Acta, 2014, 127, 489-505.	5.2	70
62	Volcano plots in hydrogen electrocatalysis â€" uses and abuses. Beilstein Journal of Nanotechnology, 2014, 5, 846-854.	2.8	410
63	Spin effects in oxygen electrocatalysis: A discussion. Electrochemistry Communications, 2013, 33, 14-17.	4.7	30
64	Are the reactions of quinones on graphite adiabatic?. Electrochimica Acta, 2013, 88, 892-894.	5.2	24
65	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
66	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
67	Chlorineâ€Enhanced Surface Mobility of Au(100). ChemPhysChem, 2013, 14, 233-236.	2.1	24
68	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
69	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
70	Why Silver Deposition is so Fast: Solving the Enigma of Metal Deposition. Angewandte Chemie - International Edition, 2013, 52, 7883-7885.	13.8	47
71	In Search of Lost Platinum. ChemPhysChem, 2013, 14, 881-883.	2.1	2
72	Solvated protons in density functional theoryâ€"A few examples. Electrochimica Acta, 2013, 105, 248-253.	5.2	27

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73	The double-layer capacity of nitrogen-doped graphite. Electrochemistry Communications, 2013, 36, 50-52.	4.7	4
74	Why is Gold such a Good Catalyst for Oxygen Reduction in Alkaline Media?. Angewandte Chemie - International Edition, 2012, 51, 12997-13000.	13.8	118
75	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
76	Cyanide-modified Pt(111): Structure, stability and hydrogen adsorption. Electrochimica Acta, 2012, 82, 524-533.	5.2	20
77	A FIRST APPROXIMATION TO SIMULATE THE ELECTRO-POLYMERIZATION PROCESS. Journal of the Chilean Chemical Society, 2012, 57, 1267-1271.	1.2	1
78	Theory of electrocatalysis: hydrogen evolution and more. Physical Chemistry Chemical Physics, 2012, 14, 11224.	2.8	166
79	The electric double layer on graphite. Electrochimica Acta, 2012, 71, 82-85.	5.2	53
80	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
81	Electron transfer to heteronuclear diatomic molecules. Journal of Electroanalytical Chemistry, 2011, 660, 314-319.	3.8	5
82	A model for the Heyrovsky reaction as the second step in hydrogen evolution. Physical Chemistry Chemical Physics, 2011, 13, 6992.	2.8	34
83	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
84	Modeling proton transfer to charged silver electrodes. Electrochimica Acta, 2011, 56, 10632-10644.	5.2	19
85	Controlling the Dimensionality of Charge Transport in an Organic Electrochemical Transistor by Capacitive Coupling. Advanced Materials, 2011, 23, 4764-4769.	21.0	52
86	Hydrogen Electrocatalysis on Single Crystals and on Nanostructured Electrodes. ChemPhysChem, 2011, 12, 2274-2279.	2.1	69
87	Transient behaviour of electron exchange between a molecular wire and a metal electrode. Electrochimica Acta, 2011, 56, 5245-5251.	5.2	3
88	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
89	Recent Progress in Hydrogen Electrocatalysis. Advances in Physical Chemistry, 2011, 2011, 1-14.	2.0	25
90	Intrinsic stability and hydrogen affinity of pure and bimetallic nanowires. Journal of Chemical Physics, 2011, 134, 174106.	3.0	3

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91	Interfacial Electrochemistry. , 2010, , .		313
92	MD simulations of heterogeneous reduction of the tert-butyl bromide molecule. Electrochimica Acta, 2010, 55, 2442-2450.	5.2	6
93	Selfâ€Diffusion on Au(100): A Density Functional Theory Study. ChemPhysChem, 2010, 11, 1395-1404.	2.1	16
94	Hydrogen Evolution on Singleâ€Crystal Copper and Silver: A Theoretical Study. ChemPhysChem, 2010, 11, 1491-1495.	2.1	25
95	Stability of Gold and Platinum Nanowires on Graphite Edges. ChemPhysChem, 2010, 11, 2361-2366.	2.1	7
96	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
97	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
98	A simulation of two-dimensional Ostwald ripening on silver electrodes. Electrochimica Acta, 2010, 55, 5411-5413.	5.2	15
99	Inner sphere and ion-transfer reactions. , 2010, , 145-162.		6
100	The semiconductor-electrolyte interface. , 2010, , 117-131.		5
101	Proton transfer to charged platinum electrodes. A molecular dynamics trajectory study. Journal of Physics Condensed Matter, 2010, 22, 175001.	1.8	18
102	Electrolyte solutions. , 2010, , 19-27.		0
103	Recent Advances in Theoretical Aspects of Electrocatalysis. Modern Aspects of Electrochemistry, 2010, , 25-88.	0.2	10
104	Hydrogen reaction and electrocatalysis. , 2010, , 163-175.		13
105	Metal deposition and dissolution. , 2010, , 177-193.		3
106	Metal and semiconductor electrodes. , 2010, , 9-18.		2
107	The metal-solution interface. , 2010, , 39-50.		3
108	Adsorption on metal electrodes: principles. , 2010, , 51-65.		5

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109	Selected experimental results for electron-transfer reactions. , 2010, , 133-143.		0
110	Electrochemical surface processes. , 2010, , 195-206.		0
111	Experimental techniques for electrode kinetics â€“ non-stationary methods. , 2010, , 235-257.		0
112	Adsorption on metal electrodes: examples. , 2010, , 67-76.		0
113	Thermodynamics of ideal polarizable interfaces. , 2010, , 77-89.		0
114	Convection techniques. , 2010, , 259-267.		0
115	Complex reactions. , 2010, , 207-215.		0
116	Phenomenological treatment of electron-transfer reactions. , 2010, , 91-98.		0
117	Model for the electrocatalysis of hydrogen evolution. Physical Review B, 2009, 79, .	3.2	142
118	Hydrogen evolution and oxidationâ€”a prototype for an electrocatalytic reaction. Journal of Solid State Electrochemistry, 2009, 13, 1101-1109.	2.5	25
119	Electron transfer across a conducting nanowire (nanotube)/electrolyte solution interface. Electrochimica Acta, 2009, 55, 68-77.	5.2	11
120	Some properties of electrochemical nanostructures. Journal of Chemical Sciences, 2009, 121, 575-577.	1.5	3
121	Electrochemical reactivity and fractional conductance of nanowires. Electrochemistry Communications, 2009, 11, 1764-1767.	4.7	23
122	Island dynamics on charged silver electrodes: Kinetic Monte-Carlo simulations. Electrochimica Acta, 2009, 54, 4494-4500.	5.2	17
123	On the catalysis of the hydrogen oxidation. Faraday Discussions, 2009, 140, 209-218.	3.2	23
124	Theories and Simulations for Electrochemical Nanostructures. Nanostructure Science and Technology, 2009, , 1-31.	0.1	0
125	Spiral Adsorbate Structures on Monoatomic Nanowire Electrodes. ChemPhysChem, 2008, 9, 1371-1374.	2.1	6
126	Bond-breaking electron transfer of diatomic reactants at metal electrodes. Chemical Physics, 2008, 344, 195-201.	1.9	35

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127	Electronic interactions decreasing the activation barrier for the hydrogen electro-oxidation reaction. Electrochimica Acta, 2008, 53, 6149-6156.	5.2	24
128	A Model for Proton Transfer to Metal Electrodes. Journal of Physical Chemistry C, 2008, 112, 10814-10826.	3.1	42
129	Electrocatalysis of Hydrogen Oxidationâ€"Theoretical Foundations. Angewandte Chemie - International Edition, 2007, 46, 8262-8265.	13.8	84
130	Fundamental aspects of electrocatalysis. Chemical Physics, 2007, 332, 39-47.	1.9	46
131	Dynamics of combined electron- and proton transfer at metal electrodes. Chemical Physics, 2007, 334, 8-17.	1.9	26
132	The structure of electrodeposits â€“ a computer simulation study. Applied Physics A: Materials Science and Processing, 2007, 87, 385-389.	2.3	12
133	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
134	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
135	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
136	Theoretical Investigation of the Self-Diffusion on Au(100). , 2007, , 171-185.		1
137	Theory of electrochemical monoatomic nanowires. Physical Review B, 2006, 74, .	3.2	16
138	A model for electrochemical electron transfer with strong electronic coupling. Chemical Physics, 2006, 324, 140-147.	1.9	20
139	A model for bond-breaking electron transfer at metal electrodes. Chemical Physics Letters, 2006, 419, 421-425.	2.6	42
140	The effect of â€˜hotâ€™ electrons on the heterogeneous adiabatic charge transfer reactions. Chemical Physics Letters, 2006, 429, 457-463.	2.6	8
141	A new simulation model for electrochemical metal deposition. Chemical Physics, 2006, 320, 149-154.	1.9	21
142	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
143	Ion transfer across liquidâ£liquid interfaces from transition-state theory and stochastic molecular dynamics simulations. Journal of Electroanalytical Chemistry, 2006, 590, 138-144.	3.8	10
144	Stochastic simulations of electrochemical electron transfer reactions. Journal of Applied Electrochemistry, 2006, 36, 1231-1235.	2.9	2

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145	d-Band Catalysis in Electrochemistry. ChemPhysChem, 2006, 7, 2282-2285.	2.1	94
146	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
147	On the generation of metal clusters with the electrochemical scanning tunneling microscope. Surface Science, 2005, 597, 133-155.	1.9	28
148	The thermodynamics of electrochemical annealing. Surface Science, 2005, 595, 127-137.	1.9	87
149	Microscopic modelling of the reduction of a Zn(II) aqua-complex on metal electrodes. Chemical Physics, 2005, 310, 257-268.	1.9	32
150	A model for combined electron and proton transfer in electrochemical systems. Chemical Physics Letters, 2005, 416, 316-320.	2.6	32
151	The instability of vicinal electrode surfaces against step bunching II: Theory. Surface Science, 2004, 573, 24-31.	1.9	14
152	Structure of liquid|liquid interfaces from a lattice gas model. Journal of Electroanalytical Chemistry, 2004, 564, 239-243.	3.8	17
153	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
154	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
155	Theoretical study of a non-adiabatic dissociative electron transfer reaction. Journal of Electroanalytical Chemistry, 2003, 554-555, 201-209.	3.8	24
156	A model for bridge-assisted electron exchange between two electrodes. Chemical Physics, 2003, 289, 349-357.	1.9	28
157	Step Line Tension on a Metal Electrode. Physical Review Letters, 2003, 91, 016106.	7.8	36
158	The rate of electrochemical electron-transfer reactions. Journal of Chemical Physics, 2002, 117, 2867-2872.	3.0	47
159	Generation of palladium clusters on Au(111) electrodes: Experiments and simulations. Applied Physics Letters, 2002, 81, 2635-2637.	3.3	39
160	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
161	Simulations of adiabatic bond-breaking electron transfer reactions on metal electrodes. Chemical Physics, 2002, 278, 147-158.	1.9	21
162	Monte Carlo simulation of electrochemical electron transfer processes. Journal of Electroanalytical Chemistry, 2002, 532, 171-180.	3.8	33

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163	A simulation of an electrochemical adiabatic electron-transfer reaction. Chemical Physics Letters, 2000, 327, 314-318.	2.6	21
164	A theory for nonadiabatic electrochemical electron-transfer reactions involving the breaking of a bond. Chemical Physics Letters, 2000, 317, 458-463.	2.6	25
165	Recent developments in models for the interface between a metal and an aqueous solution. Electrochimica Acta, 2000, 45, 2317-2338.	5.2	105
166	A latticeâ€“gas model for ion pairing at liquidâ^£liquid interfaces. Journal of Electroanalytical Chemistry, 2000, 483, 18-21.	3.8	21
167	The solvent influence on the electrochemical transfer of divalent ions. Chemical Physics, 2000, 252, 349-357.	1.9	17
168	Exactly Solvable Quantum Model for Electrochemical Electron-Transfer Reactions. Physical Review Letters, 2000, 84, 1051-1054.	7.8	40
169	Hydrogen evolution on silver single crystal electrodesâ€”first results. Journal of Electroanalytical Chemistry, 1999, 461, 76-79.	3.8	65
170	The influence of the ions on the capacity of liquidâ^£liquid interfaces. Journal of Electroanalytical Chemistry, 1999, 467, 203-206.	3.8	24
171	Adiabatic electrochemical electron-transfer reactions involving frequency changes of inner-sphere modes. Electrochemistry Communications, 1999, 1, 402-405.	4.7	21
172	A theory for amalgam forming electrode reactions. Journal of Electroanalytical Chemistry, 1998, 450, 83-94.	3.8	33
173	On the dynamics of electrochemical ion-transfer reactions. Journal of Electroanalytical Chemistry, 1998, 450, 303-311.	3.8	12
174	A model for electrochemical proton-transfer reactions. Chemical Physics, 1998, 228, 265-277.	1.9	45
175	A model for ion transfer through liquid|liquid interfaces. Journal of Electroanalytical Chemistry, 1997, 426, 5-9.	3.8	38
176	Quantum effects in adiabatic electrochemical electron-transfer reactions. Chemical Physics, 1997, 220, 95-114.	1.9	22
177	A model for proton transfer on non-catalytic metals. Journal of Electroanalytical Chemistry, 1997, 431, 47-50.	3.8	18
178	On the capacity of liquid-liquid interfaces. Chemical Physics Letters, 1997, 268, 13-20.	2.6	49
179	Measuring the inverted region of an electron transfer reaction with a scanning tunneling microscope. Electrochimica Acta, 1997, 42, 2809-2815.	5.2	75
180	Electronic Effects in the Electric Double Layer. Chemical Reviews, 1996, 96, 3177-3200.	47.7	221

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181	Electron and ion transfer reactions on metal electrodes. Electrochimica Acta, 1996, 41, 2329-2338.	5.2	92
182	Impedance studies of reconstructed and non-reconstructed gold single crystal surfaces. Journal of Electroanalytical Chemistry, 1996, 419, 23-31.	3.8	65
183	Interfacial Electrochemistry. , 1996, , .		273
184	A unified model for electrochemical electron and ion transfer reactions. Chemical Physics Letters, 1995, 237, 152-160.	2.6	119
185	On the mechanism of electrochemical ion transfer reactions. Journal of Electroanalytical Chemistry, 1995, 394, 29-34.	3.8	52
186	Investigation of electrochemical electron transfer reactions with a scanning tunneling microscope: a theoretical study. Surface Science, 1993, 295, 43-56.	1.9	97
187	A model for the coadsorption of ions. Journal of Electroanalytical Chemistry, 1992, 329, 159-169.	3.8	8
188	The surface dipole moment of species adsorbed from a solution. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 249, 25-33.	0.1	49
189	Temperature Dependence of the Protonâ€Ðischarge Reaction at Gold and Silver Electrodes. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1988, 92, 1412-1417.	0.9	16
190	Ionic adsorption and the surface dipole potential. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1987, 235, 387-392.	0.1	59
191	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
192	New models for the structure of the electrochemical interface. Progress in Surface Science, 1986, 22, 323-419.	8.3	182
193	On the coverage dependence of the partial charge transfer coefficient. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1986, 202, 1-21.	0.1	44
194	A theory of adiabatic electron-transfer reactions. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1986, 204, 31-43.	0.1	246
195	An Anderson model for electrosorption. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1985, 185, 253-261.	0.1	51
196	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
197	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
198	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

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199	The potential of zero charge of jellium. Chemical Physics Letters, 1983, 99, 135-139.	2.6	33
200	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
201	A model for the charge transfer to alkali adsorbates. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1979, 100, 533-546.	0.1	50
202	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
203	The effect of quantum vibrations on electrochemical outer sphere redox reactions. Electrochimica Acta, 1976, 21, 161-168.	5.2	29
204	Electrochemical Electron Transfer: From Marcus Theory to Electrocatalysis. , 0, , 31-55.		4
205	Desorption of hydrogen from graphene induced by charge injection. ChemElectroChem, 0, , .	3.4	2
206	Desorption of Hydrogen from Graphene Induced by Charge Injection. ChemElectroChem, 0, , .	3.4	0