

Kristina Tschulik

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1262718/kristina-tschulik-publications-by-year.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

136
papers

3,418
citations

33
h-index

48
g-index

153
ext. papers

4,061
ext. citations

6.5
avg, IF

5.69
L-index

#	Paper	IF	Citations
136	3D atomic-scale imaging of mixed Co-Fe spinel oxide nanoparticles during oxygen evolution reaction.. <i>Nature Communications</i> , 2022 , 13, 179	17.4	15
135	Electrochemistry under confinement.. <i>Chemical Society Reviews</i> , 2022 ,	58.5	11
134	Single CoO Nanocubes Electrocatalyzing the Oxygen Evolution Reaction: Nano-Impact Insights into Intrinsic Activity and Support Effects. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
133	Stripping away ion hydration shells in electrical double-layer formation: Water networks matter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	7
132	Thermal Detection of Glucose in Urine Using a Molecularly Imprinted Polymer as a Recognition Element. <i>ACS Sensors</i> , 2021 ,	9.2	6
131	Interface Sensitivity in Electron/Ion Yield X-ray Absorption Spectroscopy: The TiO-HO Interface. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 10212-10217	6.4	3
130	Design Strategies for Electrocatalysts from an Electrochemist's Perspective. <i>ACS Catalysis</i> , 2021 , 11, 5318-5346	13.1	26
129	Nanoparticle impact electrochemistry. <i>Frontiers of Nanoscience</i> , 2021 , 18, 203-252	0.7	1
128	Direct Detection of Surface Species Formed on Iridium Electrocatalysts during the Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 2021 , 133, 21566-21573	3.6	4
127	Direct Detection of Surface Species Formed on Iridium Electrocatalysts during the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21396-21403	16.4	6
126	A Perspective on Heterogeneous Catalysts for the Selective Oxidation of Alcohols. <i>Chemistry - A European Journal</i> , 2021 , 27, 16809-16833	4.8	8
125	Metal-Rich Chalcogenides for Electrocatalytic Hydrogen Evolution: Activity of Electrodes and Bulk Materials. <i>ChemElectroChem</i> , 2020 , 7, 1514-1527	4.3	32
124	Enhanced antibacterial performance of ultrathin silver/platinum nanopatches by a sacrificial anode mechanism. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 24, 102126	6	8
123	Implications of resistance and mass transport limitations on the common Tafel approach at composite catalyst thin-film electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 872, 114345	4.1	7
122	Ultrafast Construction of Oxygen-Containing Scaffold over Graphite for Trapping Ni into Single Atom Catalysts. <i>ACS Nano</i> , 2020 , 14, 11662-11669	16.7	9
121	Electrochemical dealloying as a tool to tune the porosity, composition and catalytic activity of nanomaterials. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 19405-19413	13	7
120	Enhanced dissolution of silver nanoparticles in a physical mixture with platinum nanoparticles based on the sacrificial anode effect. <i>Nanotechnology</i> , 2020 , 31, 055703	3.4	5

119	The electrochemical dissolution of single silver nanoparticles enlightened by hyperspectral dark-field microscopy. <i>Electrochimica Acta</i> , 2019 , 301, 458-464	6.7	21
118	Intrinsic Activity of Oxygen Evolution Catalysts Probed at Single CoFeO Nanoparticles. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9197-9201	16.4	60
117	Partikel fflPartikel lElektrochemische Einschlagsexperimente zur Synthese oberflflchenimmobilisierter Goldnanopartikel ffl die Elektrokatalyse. <i>Angewandte Chemie</i> , 2019 , 131, 8305-8309	3.6	1
116	Piece by Piece-Electrochemical Synthesis of Individual Nanoparticles and their Performance in ORR Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8221-8225	16.4	25
115	Operando Studies of the Electrochemical Dissolution of Silver Nanoparticles in Nitrate Solutions Observed With Hyperspectral Dark-Field Microscopy. <i>Frontiers in Chemistry</i> , 2019 , 7, 912	5	18
114	Single entity electrochemistry for the elucidation of lithiation kinetics of TiO2 particles in non-aqueous batteries. <i>Nano Energy</i> , 2019 , 57, 827-834	17.1	10
113	Evaluation of the intrinsic catalytic activity of nanoparticles without prior knowledge of the mass loading. <i>Faraday Discussions</i> , 2018 , 210, 317-332	3.6	10
112	Deciphering the Surface Composition and the Internal Structure of Alloyed Silver-Gold Nanoparticles. <i>Chemistry - A European Journal</i> , 2018 , 24, 9051-9060	4.8	23
111	Nano Impact Electrochemistry: Effects of Electronic Filtering on Peak Height, Duration and Area. <i>ChemElectroChem</i> , 2018 , 5, 3000-3005	4.3	30
110	Single Nanoparticle Growth from Nanoparticle Tracking Analysis: From Monte Carlo Simulations to Nanoparticle Electrogeneration. <i>ChemElectroChem</i> , 2018 , 5, 3036-3043	4.3	7
109	Simultaneous Opto- and Spectro-Electrochemistry: Reactions of Individual Nanoparticles Uncovered by Dark-Field Microscopy. <i>Journal of the American Chemical Society</i> , 2018 , 140, 12658-12661	16.4	51
108	Electrochemical C-H Cyanation of Electron-Rich (Hetero)Arenes. <i>Chemistry - A European Journal</i> , 2018 , 24, 11288-11291	4.8	30
107	Time-resolved impact electrochemistry - A new method to determine diffusion coefficients of ions in solution. <i>Electrochimica Acta</i> , 2018 , 282, 317-323	6.7	17
106	Nano-Impact Electrochemistry: Effects of Electronic Filtering on Peak Height, Duration, and Area. <i>ChemElectroChem</i> , 2018 , 5, 2917-2917	4.3	2
105	A Unified Interdisciplinary Approach to Design Antibacterial Coatings for Fast Silver Release. <i>ChemElectroChem</i> , 2017 , 4, 1975-1983	4.3	10
104	Antibacterial activity of microstructured sacrificial anode thin films by combination of silver with platinum group elements (platinum, palladium, iridium). <i>Materials Science and Engineering C</i> , 2017 , 74, 536-541	8.3	16
103	A materials driven approach for understanding single entity nano impact electrochemistry. <i>Current Opinion in Electrochemistry</i> , 2017 , 6, 38-45	7.2	74
102	Time-resolved impact electrochemistry for quantitative measurement of single-nanoparticle reaction kinetics. <i>Nano Research</i> , 2017 , 10, 3680-3689	10	31

101	Detection of individual nanoparticle impacts using etched carbon nanoelectrodes. <i>Electrochemistry Communications</i> , 2016 , 73, 67-70	5.1	20
100	Reactions at the nanoscale: general discussion. <i>Faraday Discussions</i> , 2016 , 193, 265-292	3.6	1
99	Interplay of the Open Circuit Potential-Relaxation and the Dissolution Behavior of a Single H ₂ Bubble Generated at a Pt Microelectrode. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 15137-15146	3.8	7
98	Electrochemical bromination of organosulfur containing species for the determination of the strength of garlic (<i>A. sativum</i>). <i>Food Chemistry</i> , 2016 , 199, 817-21	8.5	2
97	Exploring the mineral-water interface: reduction and reaction kinetics of single hematite (FeO) nanoparticles. <i>Chemical Science</i> , 2016 , 7, 1408-1414	9.4	18
96	The Electrochemical Characterization of Single Core-Shell Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 397-400	16.4	40
95	Single Nanoparticle Voltammetry: Contact Modulation of the Mediated Current. <i>Angewandte Chemie</i> , 2016 , 128, 4368-4371	3.6	12
94	Single Nanoparticle Voltammetry: Contact Modulation of the Mediated Current. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4296-9	16.4	45
93	From single cells to single molecules: general discussion. <i>Faraday Discussions</i> , 2016 , 193, 141-170	3.6	4
92	Electrochemistry of single nanoparticles: general discussion. <i>Faraday Discussions</i> , 2016 , 193, 387-413	3.6	13
91	Electrochemistry at single bimetallic nanoparticles - using nano impacts for sizing and compositional analysis of individual AgAu alloy nanoparticles. <i>Faraday Discussions</i> , 2016 , 193, 327-338	3.6	41
90	The Electrochemical Characterization of Single Core-Shell Nanoparticles. <i>Angewandte Chemie</i> , 2016 , 128, 405-408	3.6	10
89	Ferrocene Aryl Derivatives for the Redox Tagging of Graphene Nanoplatelets. <i>Electroanalysis</i> , 2016 , 28, 197-202	3	11
88	Advancing from Rules of Thumb: Quantifying the Effects of Small Density Changes in Mass Transport to Electrodes. Understanding Natural Convection. <i>Analytical Chemistry</i> , 2015 , 87, 7226-34	7.8	34
87	Diffusional impacts of nanoparticles on microdisc and microwire electrodes: The limit of detection and first passage statistics. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 755, 136-142	4.1	26
86	Nanoparticle Capping Agent Dynamics and Electron Transfer: Polymer-Gated Oxidation of Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 18808-18815	3.8	27
85	Diffusional Nanoimpacts: The Stochastic Limit. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 14400-14410	3.8	16
84	Influence of Adsorption Kinetics upon the Electrochemically Reversible Hydrogen Oxidation Reaction. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 16121-16130	3.8	17

83	The fate of nano-silver in aqueous media. <i>Nanoscale</i> , 2015 , 7, 12361-4	7.7	22
82	The Subtleties of the Reversible Hydrogen Evolution Reaction Arising from the Nonunity Stoichiometry. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 9402-9410	3.8	24
81	The effect of insulator nano-sheath thickness on the steady state current at a micro-disc electrode. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 745, 66-71	4.1	8
80	Single graphene nanoplatelets: capacitance, potential of zero charge and diffusion coefficient. <i>Chemical Science</i> , 2015 , 6, 2869-2876	9.4	65
79	Electrochemical detection of single E. coli bacteria labeled with silver nanoparticles. <i>Biomaterials Science</i> , 2015 , 3, 816-20	7.4	77
78	Molecular-Scale Hybridization of Clay Monolayers and Conducting Polymer for Thin-Film Supercapacitors. <i>Advanced Functional Materials</i> , 2015 , 25, 2745-2753	15.6	62
77	Magnetic control: Switchable ultrahigh magnetic gradients at Fe ₃ O ₄ nanoparticles to enhance solution-phase mass transport. <i>Nano Research</i> , 2015 , 8, 3293-3306	10	21
76	Reversible or not? Distinguishing agglomeration and aggregation at the nanoscale. <i>Analytical Chemistry</i> , 2015 , 87, 10033-9	7.8	100
75	Capping agent promoted oxidation of gold nanoparticles: cetyl trimethylammonium bromide. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 26054-8	3.6	15
74	Non-Invasive Probing of Nanoparticle Electrostatics. <i>ChemElectroChem</i> , 2015 , 2, 112-118	4.3	21
73	Magnetostatic nearest neighbor interactions in a Co ₄₈ Fe ₅₂ nanowire array probed by in-field magnetic force microscopy. <i>Journal of Applied Physics</i> , 2015 , 118, 233901	2.5	10
72	In Situ Detection of Particle Aggregation on Electrode Surfaces. <i>ChemPhysChem</i> , 2015 , 16, 2338-47	3.2	12
71	Are Nanoparticles Spherical or Quasi-Spherical?. <i>Chemistry - A European Journal</i> , 2015 , 21, 10741-6	4.8	27
70	Ultra-small Palladium Nanoparticle Decorated Carbon Nanotubes: Conductivity and Reactivity. <i>ChemPhysChem</i> , 2015 , 16, 2322-5	3.2	9
69	CoreShell Nanoparticles: Characterizing Multifunctional Materials beyond Imaging Distinguishing and Quantifying Perfect and Broken Shells. <i>Advanced Functional Materials</i> , 2015 , 25, 5149-5158	15.6	25
68	In situ nanoparticle sizing with zeptomole sensitivity. <i>Analyst, The</i> , 2015 , 140, 5048-54	5	83
67	Bifunctional redox tagging of carbon nanoparticles. <i>Nanoscale</i> , 2015 , 7, 2069-75	7.7	3
66	Metal-halide Nanoparticle Formation: Electrolytic and Chemical Synthesis of Mercury(I) Chloride Nanoparticles. <i>ChemElectroChem</i> , 2015 , 2, 522-528	4.3	18

65	Gold electrodes from recordable CDs for the sensitive, semi-quantitative detection of commercial silver nanoparticles in seawater media. <i>Sensors and Actuators B: Chemical</i> , 2014 , 195, 223-229	8.5	18
64	The use of cylindrical micro-wire electrodes for nano-impact experiments; facilitating the sub-picomolar detection of single nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2014 , 200, 47-52	8.5	66
63	A proof-of-concept ¶Using pre-created nucleation centres to improve the limit of detection in anodic stripping voltammetry. <i>Sensors and Actuators B: Chemical</i> , 2014 , 193, 315-319	8.5	14
62	Electrochemical Detection of Glutathione Using a Poly(caffeic acid) Nanocarbon Composite Modified Electrode. <i>Electroanalysis</i> , 2014 , 26, 366-373	3	55
61	Nanoparticle impacts reveal magnetic field induced agglomeration and reduced dissolution rates. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 13909-13	3.6	44
60	Use of the capping agent for the electrochemical detection and quantification of nanoparticles: CdSe quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2014 , 204, 445-449	8.5	1
59	Diffusional transport to and through thin-layer nanoparticle film modified electrodes: capped CdSe nanoparticle modified electrodes. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 18034-41	3.6	10
58	The strong catalytic effect of Pb(II) on the oxygen reduction reaction on 5 nm gold nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 3200-8	3.6	17
57	Electrochemical studies of silver nanoparticles: a guide for experimentalists and a perspective. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 616-23	3.6	54
56	Nanoparticle-Impact Experiments are Highly Sensitive to the Presence of Adsorbed Species on Electrode Surfaces. <i>ChemElectroChem</i> , 2014 , 1, 1057-1062	4.3	22
55	Chemical interactions between silver nanoparticles and thiols: a comparison of mercaptohexanol against cysteine. <i>Science China Chemistry</i> , 2014 , 57, 1199-1210	7.9	40
54	Cover Picture: Nanoparticle-Impact Experiments are Highly Sensitive to the Presence of Adsorbed Species on Electrode Surfaces (ChemElectroChem 6/2014). <i>ChemElectroChem</i> , 2014 , 1, 1085-1085	4.3	1
53	Electrochemical observation of single collision events: fullerene nanoparticles. <i>ACS Nano</i> , 2014 , 8, 7648-56.7	5.7	91
52	Electrochemical quantification of iodide ions in synthetic urine using silver nanoparticles: a proof-of-concept. <i>Analyst</i> , 2014 , 139, 3986-90	5	26
51	Strong negative nanocatalysis: oxygen reduction and hydrogen evolution at very small (2 nm) gold nanoparticles. <i>Nanoscale</i> , 2014 , 6, 11024-30	7.7	26
50	A Critical Evaluation of the Interpretation of Electrocatalytic Nanoimpacts. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 17756-17763	3.8	29
49	Simultaneous electrochemical and 3D optical imaging of silver nanoparticle oxidation. <i>Chemical Physics Letters</i> , 2014 , 597, 20-25	2.5	30
48	Planar diffusion to macro disc electrodes¶what electrode size is required for the Cottrell and Randles-Sevcik equations to apply quantitatively?. <i>Journal of Solid State Electrochemistry</i> , 2014 , 18, 3251-3257	2.6	82

47	Retarding the corrosion of iron by inhomogeneous magnetic fields. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2014 , 65, 803-808	1.6	6
46	The Surface Energy of Single Nanoparticles Probed via Anodic Stripping Voltammetry. <i>ChemElectroChem</i> , 2014 , 1, 87-89	4.3	12
45	Improving the Rate of Silver Nanoparticle Adhesion to Sticky Electrodes—Stick and Strip Experiments at a DMSA-Modified Gold Electrode. <i>Electroanalysis</i> , 2014 , 26, 285-291	3	11
44	Magnetic vortex observation in FeCo nanowires by quantitative magnetic force microscopy. <i>Applied Physics Letters</i> , 2014 , 105, 172409	3.4	44
43	Magnetic Separation of Paramagnetic Ions From Initially Homogeneous Solutions. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	8
42	Magnetic field templated patterning of the soft magnetic alloy CoFe. <i>Electrochimica Acta</i> , 2014 , 123, 477-484	6.7	7
41	Electrochemical Detection and Characterisation of Polymer Nanoparticles. <i>Electroanalysis</i> , 2014 , 26, 2483-253	3	8
40	Electrochemical micromachining of passive electrodes. <i>Electrochimica Acta</i> , 2013 , 109, 562-569	6.7	13
39	Optical velocity measurements of electrolytic boundary layer flows influenced by magnetic fields. <i>European Physical Journal: Special Topics</i> , 2013 , 220, 79-89	2.3	5
38	Capacitance performance of cobalt hydroxide-based capacitors with utilization of near-neutral electrolytes. <i>Electrochimica Acta</i> , 2013 , 90, 166-170	6.7	20
37	Nanocarbon Paste Electrodes. <i>Electroanalysis</i> , 2013 , 25, 2435-2444	3	19
36	Coulometric sizing of nanoparticles: Cathodic and anodic impact experiments open two independent routes to electrochemical sizing of Fe ₃ O ₄ nanoparticles. <i>Nano Research</i> , 2013 , 6, 836-841	10	80
35	A disposable sticky electrode for the detection of commercial silver NPs in seawater. <i>Nanotechnology</i> , 2013 , 24, 505501	3.4	22
34	Nanoparticle impacts show high-ionic-strength citrate avoids aggregation of silver nanoparticles. <i>ChemPhysChem</i> , 2013 , 14, 3895-7	3.2	47
33	A kinetic study of oxygen reduction reaction and characterization on electrodeposited gold nanoparticles of diameter between 17 nm and 40 nm in 0.5 M sulfuric acid. <i>Nanoscale</i> , 2013 , 5, 9699-7087	7.7	26
32	Electrochemical detection of commercial silver nanoparticles: identification, sizing and detection in environmental media. <i>Nanotechnology</i> , 2013 , 24, 444002	3.4	45
31	Analysis of the electrolyte convection inside the concentration boundary layer during structured electrodeposition of copper in high magnetic gradient fields. <i>Analytical Chemistry</i> , 2013 , 85, 3087-94	7.8	16
30	The anodic stripping voltammetry of nanoparticles: electrochemical evidence for the surface agglomeration of silver nanoparticles. <i>Nanoscale</i> , 2013 , 5, 4884-93	7.7	97

29	Electrochemical detection of chloride levels in sweat using silver nanoparticles: a basis for the preliminary screening for cystic fibrosis. <i>Analyst, The</i> , 2013 , 138, 4292-7	5	68
28	'Sticky electrodes' for the detection of silver nanoparticles. <i>Nanotechnology</i> , 2013 , 24, 295502	3.4	23
27	Performance of silver nanoparticles in the catalysis of the oxygen reduction reaction in neutral media: Efficiency limitation due to hydrogen peroxide escape. <i>Nano Research</i> , 2013 , 6, 511-524	10	62
26	Structured electrodeposition in magnetic gradient fields. <i>European Physical Journal: Special Topics</i> , 2013 , 220, 287-302	2.3	33
25	Get more out of your data: a new approach to agglomeration and aggregation studies using nanoparticle impact experiments. <i>ChemistryOpen</i> , 2013 , 2, 69-75	2.3	68
24	Electrochemical Deposition of Co(Cu)/Cu Multilayered Nanowires. <i>Journal of the Electrochemical Society</i> , 2013 , 160, D13-D19	3.9	15
23	Nanotoxicity - an electrochemist's perspective. <i>Portugaliae Electrochimica Acta</i> , 2013 , 31, 249-256	2.4	2
22	Electrochemical Quartz Crystal Microbalance Study of the Fe-Ga Co-Deposition. <i>Journal of the Electrochemical Society</i> , 2012 , 159, H633-H637	3.9	6
21	Enrichment of Paramagnetic Ions from Homogeneous Solutions in Inhomogeneous Magnetic Fields. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 3559-64	6.4	28
20	Clarifying the mechanism of reverse structuring during electrodeposition in magnetic gradient fields. <i>Analytical Chemistry</i> , 2012 , 84, 2328-34	7.8	23
19	Comment on "Magnetic structuring of electrodeposits". <i>Physical Review Letters</i> , 2012 , 109, 229401; author reply 229402	7.4	16
18	Micropatterning of Fe-based bulk metallic glass surfaces by pulsed electrochemical micromachining. <i>Journal of Materials Research</i> , 2012 , 27, 3033-3040	2.5	12
17	Effect of magnetization state on the corrosion behaviour of NdFeB permanent magnets. <i>Corrosion Science</i> , 2011 , 53, 2843-2852	6.8	26
16	Effect of high gradient magnetic fields on the anodic behaviour and localized corrosion of iron in sulphuric acid solutions. <i>Corrosion Science</i> , 2011 , 53, 3222-3230	6.8	41
15	How to obtain structured metal deposits from diamagnetic ions in magnetic gradient fields?. <i>Electrochemistry Communications</i> , 2011 , 13, 946-950	5.1	22
14	In situ analysis of three-dimensional electrolyte convection evolving during the electrodeposition of copper in magnetic gradient fields. <i>Analytical Chemistry</i> , 2011 , 83, 3275-81	7.8	25
13	Electrodeposition of separated 3D metallic structures by pulse-reverse plating in magnetic gradient fields. <i>Electrochimica Acta</i> , 2011 , 56, 5174-5177	6.7	20
12	Magnetic field effects on the active dissolution of iron. <i>Electrochimica Acta</i> , 2011 , 56, 5866-5871	6.7	33

11	Zeitaufgelöste 3D3K Geschwindigkeitsfeldmessungen mit der fernmikroskopischen Astigmatismus PTV zur Analyse der elektrochemischen Kupferabscheidung. <i>TM Technisches Messen</i> , 2011 , 78, 232-238	0.7	1
10	Studies regarding the homogeneity range of the zirconium phosphide telluride $Zr_2P_2Te_2$. <i>Solid State Sciences</i> , 2010 , 12, 2030-2035	3.4	5
9	Electrocrystallisation of metallic films under the influence of an external homogeneous magnetic field: Early stages of the layer growth. <i>Electrochimica Acta</i> , 2010 , 55, 6533-6541	6.7	17
8	Studies on the patterning effect of copper deposits in magnetic gradient fields. <i>Electrochimica Acta</i> , 2010 , 56, 297-304	6.7	30
7	Impact of magnetic field gradients on the free corrosion of iron. <i>Electrochimica Acta</i> , 2010 , 55, 5200-5208	6.7	47
6	On the action of magnetic gradient forces in micro-structured copper deposition. <i>Electrochimica Acta</i> , 2010 , 55, 9060-9066	6.7	64
5	Magnetochemical Surface Structuring: Electrodeposition of Structured Metallic Layers in Magnetic Gradient Fields. <i>ECS Transactions</i> , 2009 , 25, 149-155	1	7
4	Chemistry and Physical Properties of the Phosphide Telluride $Zr_2P_2Te_2$. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 3102-3110	2.3	17
3	Effects of well-defined magnetic field gradients on the electrodeposition of copper and bismuth. <i>Electrochemistry Communications</i> , 2009 , 11, 2241-2244	5.1	45
2	Characterization of Nanoparticles in Diverse Mixtures Using Localized Surface Plasmon Resonance and Nanoparticle Tracking by Dark-Field Microscopy with Redox Magnetohydrodynamics Microfluidics. <i>ACS Physical Chemistry Au</i> ,		2
1	Operando electrochemical SERS monitors nanoparticle reactions by capping agent fingerprints. <i>Nano Research</i> ,	10	1