

Federico Calle-Vallejo

List of PR Articles by Year in descending order

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131

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17514

citing authors

#	ARTICLE	IF	PR CITATIONS
1	Gas-phase errors in computational electrocatalysis: a review. <i>EES Catalysis</i> , 2024, 2, 157-179.	7.4	46
2	What we talk about when we talk about breaking scaling relations. <i>Applied Physics Reviews</i> , 2024, 11, .	10.4	6
3	Adsorbate coverage effects on the electroreduction of CO to acetate. <i>Applied Catalysis B: Environmental</i> , 2024, 352, 124008.	20.5	8
4	Cation Effects on the Adsorbed Intermediates of CO ₂ Electroreduction Are Systematic and Predictable. <i>ACS Catalysis</i> , 2024, 14, 8814-8822.	12.4	21
5	Error Awareness in the Volcano Plots of Oxygen Electroreduction to Hydrogen Peroxide. <i>ChemSusChem</i> , 2024, 17, .	6.2	6
6	Rationally designed Ru catalysts supported on TiN for highly efficient and stable hydrogen evolution in alkaline conditions. <i>Nature Communications</i> , 2024, 15, .	13.9	91
7	Computational description of surface hydride phases on Pt(111) electrodes. <i>Journal of Chemical Physics</i> , 2023, 158, .	2.8	14
8	Using micro-solvation and generalized coordination numbers to estimate the solvation energies of adsorbed hydroxyl on metal nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 3211-3219.	2.7	6
9	A general but still unknown characteristic of active oxygen evolution electrocatalysts. <i>Chemical Science</i> , 2023, 14, 3622-3629.	7.1	27
10	Evaluating Adsorbate-Solvent Interactions: Are Dispersion Corrections Necessary?. <i>Journal of Physical Chemistry C</i> , 2023, 127, 10134-10139.	3.1	12
11	Extracting Features of Active Transition Metal Electrodes for NO Electroreduction with Catalytic Matrices. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 22176-22183.	8.0	13
12	Anodic and Cathodic Platinum Dissolution Processes Involve Different Oxide Species. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	33
13	Anodic and Cathodic Platinum Dissolution Processes Involve Different Oxide Species. <i>Angewandte Chemie</i> , 2023, 135, .	1.4	6
14	The ABC of Generalized Coordination Numbers and Their Use as a Descriptor in Electrocatalysis. <i>Advanced Science</i> , 2023, 10, .	12.7	58
15	A structure-sensitive descriptor for the design of active sites on MoS ₂ catalysts. <i>Catalysis Science and Technology</i> , 2023, 13, 5290-5300.	4.0	3
16	Influence of Copper Sites with Different Coordination on the Adsorption and Electroreduction of CO ₂ and CO. <i>ACS Catalysis</i> , 2023, 13, 11136-11143.	12.4	17
17	Minimum conditions for accurate modeling of urea production via co-electrolysis. <i>Communications Chemistry</i> , 2023, 6, .	5.6	12
18	Electrochemical hydrogenation of NO and CO: Differences and similarities from a computational standpoint. <i>Current Opinion in Electrochemistry</i> , 2023, 42, 101409.	4.3	5

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19	Activity Trends for the Selective Oxidation of 2-Propanol to Acetone on Noble Metal Electrodes in Alkaline Electrolyte. <i>ACS Catalysis</i> , 2023, 13, 14562-14569.	12.4	11
20	Finding Key Factors for Efficient Water and Methanol Activation at Metals, Oxides, MXenes, and Metal/Oxide Interfaces. <i>ACS Catalysis</i> , 2022, 12, 1237-1246.	12.4	14
21	The bifunctional volcano plot: thermodynamic limits for single-atom catalysts for oxygen reduction and evolution. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5937-5941.	9.3	31
22	Interplaying coordination and ligand effects to break or make adsorption–energy scaling relations. <i>Exploration</i> , 2022, 2, .	18.2	32
23	The Role of Undercoordinated Sites on Zinc Electrodes for CO ₂ Reduction to CO. <i>Advanced Functional Materials</i> , 2022, 32, .	17.0	65
24	Revealing the Nature of Active Sites on Pt–Gd and Pt–Pr Alloys during the Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 19604-19613.	8.0	25
25	Gas-Phase Errors Affect DFT-Based Electrocatalysis Models of Oxygen Reduction to Hydrogen Peroxide. <i>ChemElectroChem</i> , 2022, 9, .	2.9	13
26	Tandem Electrochemical Conversion of CO ₂ to Liquid Fuels and Chemical Feedstocks. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 1615-1615.	0.0	1
27	(Digital Presentation) High-Resolution Imaging of Active Sites Under Reaction Conditions for Carbon-Based Electrocatalysis. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 627-627.	0.0	0
28	On the shifting peak of volcano plots for oxygen reduction and evolution. <i>Electrochimica Acta</i> , 2022, 426, 140799.	5.3	25
29	Mechanistic insight into electrocatalytic glyoxal reduction on copper and its relation to CO ₂ reduction. <i>Chemical Science</i> , 2022, 13, 11205-11214.	7.1	13
30	Automated versus Chemically Intuitive Deconvolution of Density Functional Theory (DFT)-Based Gas-Phase Errors in Nitrogen Compounds. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 13375-13382.	3.9	15
31	A trade-off between ligand and strain effects optimizes the oxygen reduction activity of Pt alloys. <i>Energy and Environmental Science</i> , 2022, 15, 5181-5191.	30.9	74
32	How symmetry factors cause potential- and facet-dependent pathway shifts during CO ₂ reduction to CH ₄ on Cu electrodes. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119776.	20.5	33
33	How oxidation state and lattice distortion influence the oxygen evolution activity in acid of iridium double perovskites. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2980-2990.	9.3	59
34	Monitoring the active sites for the hydrogen evolution reaction at model carbon surfaces. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10051-10058.	2.7	37
35	Fast Correction of Errors in the DFT-Calculated Energies of Gaseous Nitrogen-Containing Species. <i>ChemCatChem</i> , 2021, 13, 2508-2516.	3.6	39
36	Structure-sensitive scaling relations among carbon-containing species and their possible impact on CO ₂ electroreduction. <i>Journal of Catalysis</i> , 2021, 395, 136-142.	6.5	14

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37	Elucidating the Facet-Dependent Selectivity for CO ₂ Electroreduction to Ethanol of Cu ⁺ /Ag Tandem Catalysts. ACS Catalysis, 2021, 11, 4456-4463.	12.4	226
38	Selectivity Map for the Late Stages of CO and CO ₂ Reduction to C ₂ Species on Copper Electrodes. Angewandte Chemie - International Edition, 2021, 60, 10784-10790.	14.4	54
39	Selectivity Map for the Late Stages of CO and CO ₂ Reduction to C ₂ Species on Copper Electrodes. Angewandte Chemie, 2021, 133, 10879-10885.	1.4	3
40	Primary Vs. Secondary Alcohols Electrooxidation: Mechanistic Insights. ECS Meeting Abstracts, 2021, MA2021-01, 1870-1870.	0.0	0
41	Computational-experimental study of the onset potentials for CO ₂ reduction on polycrystalline and oxide-derived copper electrodes. Electrochimica Acta, 2021, 380, 138247.	5.3	11
42	Toward Efficient Tandem Electroreduction of CO ₂ to Methanol using Anodized Titanium. ACS Catalysis, 2021, 11, 8467-8475.	12.4	26
43	Different promoting roles of ruthenium for the oxidation of primary and secondary alcohols on PtRu electrocatalysts. Journal of Catalysis, 2021, 400, 166-172.	6.5	23
44	Importance of the gas-phase error correction for O ₂ when using DFT to model the oxygen reduction and evolution reactions. Journal of Electroanalytical Chemistry, 2021, 896, 115178.	3.9	84
45	Theory-Guided Enhancement of CO ₂ Reduction to Ethanol on Ag ⁺ /Cu Tandem Catalysts via Particle-Size Effects. ACS Catalysis, 2021, 11, 13330-13336.	12.4	60
46	Structure dependency of the atomic-scale mechanisms of platinum electro-oxidation and dissolution. Nature Catalysis, 2020, 3, 754-761.	41.5	123
47	Elucidating the Structure of Ethanol-Producing Active Sites at Oxide-Derived Cu Electrocatalysts. ACS Catalysis, 2020, 10, 10488-10494.	12.4	54
48	A Semiempirical Method to Detect and Correct DFT-Based Gas-Phase Errors and Its Application in Electrocatalysis. ACS Catalysis, 2020, 10, 6900-6907.	12.4	116
49	Enhancing CO ₂ Electroreduction to Ethanol on Copper ⁺ /Silver Composites by Opening an Alternative Catalytic Pathway. ACS Catalysis, 2020, 10, 4059-4069.	12.4	244
50	Trends in C=O and N=O bond scission on rutile oxides described using oxygen vacancy formation energies. Chemical Science, 2020, 11, 4119-4124.	7.1	20
51	Substantial improvement of electrocatalytic predictions by systematic assessment of solvent effects on adsorption energies. Applied Catalysis B: Environmental, 2020, 276, 119147.	20.5	71
52	Influence of Van der Waals Interactions on the Solvation Energies of Adsorbates at Pt-Based Electrocatalysts. ChemPhysChem, 2019, 20, 2968-2972.	1.9	17
53	Advances and challenges in understanding the electrocatalytic conversion of carbon dioxide to fuels. Nature Energy, 2019, 4, 732-745.	50.9	2,470
54	La _{1.5} Sr _{0.5} NiMn _{0.5} Ru _{0.5} O ₆ Double Perovskite with Enhanced ORR/OER Bifunctional Catalytic Activity. ACS Applied Materials & Interfaces, 2019, 11, 21454-21464.	8.0	177

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55	Fast identification of optimal pure platinum nanoparticle shapes and sizes for efficient oxygen electroreduction. <i>Nanoscale Advances</i> , 2019, 1, 2901-2909.	4.5	14
56	Na-doped ruthenium perovskite electrocatalysts with improved oxygen evolution activity and durability in acidic media. <i>Nature Communications</i> , 2019, 10, .	13.9	335
57	Structural principles to steer the selectivity of the electrocatalytic reduction of aliphatic ketones on platinum. <i>Nature Catalysis</i> , 2019, 2, 243-250.	41.5	129
58	Outlining the Scaling-Based and Scaling-Free Optimization of Electrocatalysts. <i>ACS Catalysis</i> , 2019, 9, 4218-4225.	12.4	99
59	Affordable Estimation of Solvation Contributions to the Adsorption Energies of Oxygenates on Metal Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5578-5582.	3.1	69
60	Enhanced Electroreduction of Carbon Dioxide to Methanol Using Zinc Dendrites Pulse-Deposited on Silver Foam. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2256-2260.	14.4	144
61	Enhanced Electroreduction of Carbon Dioxide to Methanol Using Zinc Dendrites Pulse-Deposited on Silver Foam. <i>Angewandte Chemie</i> , 2019, 131, 2278-2282.	1.4	9
62	Computational Comparison of Late Transition Metal (100) Surfaces for the Electrocatalytic Reduction of CO to C ₂ Species. <i>ACS Energy Letters</i> , 2018, 3, 1062-1067.	17.0	130
63	On the mechanism of the electrochemical conversion of ammonia to dinitrogen on Pt(111) in alkaline environment. <i>Journal of Catalysis</i> , 2018, 359, 82-91.	6.5	138
64	Enabling Generalized Coordination Numbers to Describe Strain Effects. <i>ChemSusChem</i> , 2018, 11, 1824-1828.	6.2	74
65	Does the breaking of adsorption-energy scaling relations guarantee enhanced electrocatalysis?. <i>Current Opinion in Electrochemistry</i> , 2018, 8, 110-117.	4.3	142
66	Interconversions of nitrogen-containing species on Pt(100) and Pt(111) electrodes in acidic solutions containing nitrate. <i>Electrochimica Acta</i> , 2018, 271, 77-83.	5.3	44
67	A brief review of the computational modeling of CO ₂ electroreduction on Cu electrodes. <i>Current Opinion in Electrochemistry</i> , 2018, 9, 158-165.	4.3	85
68	Role of lattice oxygen content and Ni geometry in the oxygen evolution activity of the Ba-Ni-O system. <i>Journal of Power Sources</i> , 2018, 404, 56-63.	7.9	21
69	Alkali Metal Cation Effects in Structuring Pt, Rh, and Au Surfaces through Cathodic Corrosion. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39363-39379.	8.0	81
70	How Au Outperforms Pt in the Catalytic Reduction of Methane Towards Ethane and Molecular Hydrogen. <i>Topics in Catalysis</i> , 2018, 61, 1290-1299.	2.5	0
71	Oxygen Reduction Reaction: Rapid Prediction of Mass Activity of Nanostructured Platinum Electrocatalysts. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4463-4468.	4.2	51
72	A New Type of Scaling Relations to Assess the Accuracy of Computational Predictions of Catalytic Activities Applied to the Oxygen Evolution Reaction. <i>ChemCatChem</i> , 2017, 9, 1261-1268.	3.6	97

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73	Spectroscopic Observation of a Hydrogenated CO Dimer Intermediate During CO Reduction on Cu(100) Electrodes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3621-3624.	14.4	561
74	Quantitative Coordination-Activity Relations for the Design of Enhanced Pt Catalysts for CO Electro-oxidation. <i>ACS Catalysis</i> , 2017, 7, 4355-4359.	12.4	49
75	Spectroscopic Observation of a Hydrogenated CO Dimer Intermediate During CO Reduction on Cu(100) Electrodes. <i>Angewandte Chemie</i> , 2017, 129, 3675-3678.	1.4	131
76	Why conclusions from platinum model surfaces do not necessarily lead to enhanced nanoparticle catalysts for the oxygen reduction reaction. <i>Chemical Science</i> , 2017, 8, 2283-2289.	7.1	197
77	How covalence breaks adsorption-energy scaling relations and solvation restores them. <i>Chemical Science</i> , 2017, 8, 124-130.	7.1	167
78	Structure- and Potential-Dependent Cation Effects on CO Reduction at Copper Single-Crystal Electrodes. <i>Journal of the American Chemical Society</i> , 2017, 139, 16412-16419.	15.0	375
79	Nature of Highly Active Electrocatalytic Sites for the Hydrogen Evolution Reaction at Pt Electrodes in Acidic Media. <i>ACS Omega</i> , 2017, 2, 8141-8147.	4.3	58
80	Structure- and Coverage-Sensitive Mechanism of NO Reduction on Platinum Electrodes. <i>ACS Catalysis</i> , 2017, 7, 4660-4667.	12.4	175
81	(Invited) Structure-Activity Relationships for CO and CO ₂ Electroreduction to C ₂ Species on Copper. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
82	Establishing and Understanding Adsorption-Energy Scaling Relations with Negative Slopes. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 5302-5306.	4.2	60
83	Identifying the time-dependent predominance regimes of step and terrace sites for the Fischer-Tropsch synthesis on ruthenium based catalysts. <i>Catalysis Science and Technology</i> , 2016, 6, 6495-6503.	4.0	10
84	Capturing Solvation Effects at a Liquid/Nanoparticle Interface by Ab Initio Molecular Dynamics: Pt ₂₀₁ Immersed in Water. <i>Small</i> , 2016, 12, 5312-5319.	11.6	26
85	Anisotropic etching of rhodium and gold as the onset of nanoparticle formation by cathodic corrosion. <i>Faraday Discussions</i> , 2016, 193, 207-222.	3.0	26
86	Double-Stranded Water on Stepped Platinum Surfaces. <i>Physical Review Letters</i> , 2016, 116, .	8.2	51
87	Making the hydrogen evolution reaction in polymer electrolyte membrane electrolyzers even faster. <i>Nature Communications</i> , 2016, 7, .	13.9	126
88	Structure-sensitive electroreduction of acetaldehyde to ethanol on copper and its mechanistic implications for CO and CO ₂ reduction. <i>Catalysis Today</i> , 2016, 262, 90-94.	4.7	158
89	Performance and degradation of Proton Exchange Membrane Fuel Cells: State of the art in modeling from atomistic to system scale. <i>Journal of Power Sources</i> , 2016, 304, 207-233.	7.9	229
90	Initial stages of water solvation of stepped platinum surfaces. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3416-3422.	2.7	40

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91	Evaluation of the Electrochemical Stability of Model Cu-Pt(111) Near-Surface Alloy Catalysts. <i>Electrochimica Acta</i> , 2015, 179, 469-474.	5.3	12
92	Introducing structural sensitivity into adsorption energy scaling relations by means of coordination numbers. <i>Nature Chemistry</i> , 2015, 7, 403-410.	18.8	757
93	Guidelines for the Rational Design of Ni-Based Double Hydroxide Electrocatalysts for the Oxygen Evolution Reaction. <i>ACS Catalysis</i> , 2015, 5, 5380-5387.	12.4	537
94	Why Is Bulk Thermochemistry a Good Descriptor for the Electrocatalytic Activity of Transition Metal Oxides?. <i>ACS Catalysis</i> , 2015, 5, 869-873.	12.4	217
95	Ein wichtiger Schritt hin zur elektrochemischen Herstellung von Flüssiggasbrennstoffen. <i>Angewandte Chemie</i> , 2014, 126, 11036-11038.	1.4	4
96	Density functional theory study of adsorption of H ₂ O, H, O, and OH on stepped platinum surfaces. <i>Journal of Chemical Physics</i> , 2014, 140, .	2.8	104
97	Bond-Making and Breaking between Carbon, Nitrogen, and Oxygen in Electrocatalysis. <i>Journal of the American Chemical Society</i> , 2014, 136, 15694-15701.	15.0	201
98	Metallicity enhancement in core-shell SiO ₂ @RuO ₂ nanowires. <i>RSC Advances</i> , 2014, 4, 34696-34700.	4.4	1
99	Understanding Adsorption-Induced Effects on Platinum Nanoparticles: An Energy-Decomposition Analysis. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3120-3124.	4.2	44
100	Oxygen Reduction at a Cu-Modified Pt(111) Model Electrocatalyst in Contact with Nafion Polymer. <i>ACS Catalysis</i> , 2014, 4, 3772-3778.	12.4	63
101	Fast Prediction of Adsorption Properties for Platinum Nanocatalysts with Generalized Coordination Numbers. <i>Angewandte Chemie</i> , 2014, 126, 8456-8459.	1.4	29
102	Fast Prediction of Adsorption Properties for Platinum Nanocatalysts with Generalized Coordination Numbers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8316-8319.	14.4	459
103	Quantifying Local and Cooperative Components in the Ferroelectric Distortion of BaTiO ₃ : Learning from the Off-Center Motion in the MnCl ₆ ⁵⁻ Complex Formed in KCl:Mn ⁺ . <i>Inorganic Chemistry</i> , 2014, 53, 6534-6543.	4.6	13
104	Innenrücktitelbild: Theoretical Considerations on the Electroreduction of CO to C ₂ Species on Cu(100) Electrodes (<i>Angew. Chem.</i> 28/2013). <i>Angewandte Chemie</i> , 2013, 125, 7463-7463.	1.4	0
105	Theoretical Considerations on the Electroreduction of CO to C ₂ Species on Cu(100) Electrodes. <i>Angewandte Chemie</i> , 2013, 125, 7423-7426.	1.4	234
106	Tailoring structural and electronic properties of RuO ₂ nanotubes: a many-body approach and electronic transport. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14715.	2.7	23
107	Electrochemical formation and surface characterisation of Cu _{2-x} Te thin films with adjustable content of Cu. <i>RSC Advances</i> , 2013, 3, 21648.	4.4	9
108	Why (1 0 0) Terraces Break and Make Bonds: Oxidation of Dimethyl Ether on Platinum Single-Crystal Electrodes. <i>Journal of the American Chemical Society</i> , 2013, 135, 14329-14338.	15.0	51

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109	Generalized trends in the formation energies of perovskite oxides. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 7526.	2.7	94
110	Theoretical design and experimental implementation of Ag/Au electrodes for the electrochemical reduction of nitrate. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3196.	2.7	151
111	Number of outer electrons as descriptor for adsorption processes on transition metals and their oxides. <i>Chemical Science</i> , 2013, 4, 1245.	7.1	324
112	Oxygen reduction and evolution at single-metal active sites: Comparison between functionalized graphitic materials and protoporphyrins. <i>Surface Science</i> , 2013, 607, 47-53.	1.7	145
113	Electrochemical water splitting by gold: evidence for an oxide decomposition mechanism. <i>Chemical Science</i> , 2013, 4, 2334.	7.1	273
114	Electrocatalytic Reduction of Nitrate on a Pt Electrode Modified by p-BLOCK Metal Adatoms in Acid Solution. <i>ChemCatChem</i> , 2013, 5, 1773-1783.	3.6	52
115	Tailoring the catalytic activity of electrodes with monolayer amounts of foreign metals. <i>Chemical Society Reviews</i> , 2013, 42, 5210.	37.8	226
116	Theoretical Considerations on the Electroreduction of CO to C ₂ Species on Cu(100) Electrodes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7282-7285.	14.4	864
117	First-principles computational electrochemistry: Achievements and challenges. <i>Electrochimica Acta</i> , 2012, 84, 3-11.	5.3	210
118	Design of an Active Site towards Optimal Electrocatalysis: Overlayers, Surface Alloys and Near-Surface Alloys of Cu/Pt(111). <i>Angewandte Chemie</i> , 2012, 124, 12015-12018.	1.4	21
119	Design of an Active Site towards Optimal Electrocatalysis: Overlayers, Surface Alloys and Near-Surface Alloys of Cu/Pt(111). <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11845-11848.	14.4	100
120	First-Principles Structural and Electronic Characterization of Ordered SiO ₂ Nanowires. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18973-18982.	3.1	22
121	Physical and Chemical Nature of the Scaling Relations between Adsorption Energies of Atoms on Metal Surfaces. <i>Physical Review Letters</i> , 2012, 108, .	8.2	277
122	Identifying active surface phases for metal oxide electrocatalysts: a study of manganese oxide bi-functional catalysts for oxygen reduction and water oxidation catalysis. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14010.	2.7	367
123	Scanning Tunneling Microscopy Evidence for the Dissociation of Carbon Monoxide on Ruthenium Steps. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14350-14359.	3.1	32
124	Density functional studies of functionalized graphitic materials with late transition metals for oxygen reduction reactions. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15639.	2.7	520
125	Tuning the Activity of Pt(111) for Oxygen Electroreduction by Subsurface Alloying. <i>Journal of the American Chemical Society</i> , 2011, 133, 5485-5491.	15.0	502
126	Theoretical Study of the Structural Stability and the Electronic Properties of Al _m H _n Clusters. <i>Journal of Computational and Theoretical Nanoscience</i> , 2011, 8, 609-615.	0.1	0

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127	Trends in Metal Oxide Stability for Nanorods, Nanotubes, and Surfaces. Journal of Physical Chemistry C, 2011, 115, 2244-2252.	3.1	56
128	Universality in Oxygen Evolution Electrocatalysis on Oxide Surfaces. ChemCatChem, 2011, 3, 1159-1165.	3.6	4,247
129	Trends in Stability of Perovskite Oxides. Angewandte Chemie, 2010, 122, 7865-7867.	1.4	10
130	Trends in Stability of Perovskite Oxides. Angewandte Chemie - International Edition, 2010, 49, 7699-7701.	14.4	114
131	Adsorption-Driven Surface Segregation of the Less Reactive Alloy Component. Journal of the American Chemical Society, 2009, 131, 2404-2407.	15.0	176