

Juan M Feliu

List of Publications by Year in Descending Order

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

537
papers

23,390
citations

80
h-index

119
g-index

553
ext. papers

25,428
ext. citations

5.7
avg, IF

7.17
L-index

#	Paper	IF	Citations
537	Electrocatalysis in Alkaline Media and Alkaline Membrane-Based Energy Technologies.. <i>Chemical Reviews</i> , 2022 ,	68.1	25
536	Oxygen electroreduction on small (. <i>Electrochimica Acta</i> , 2022 , 403, 139631	6.7	0
535	Investigating the presence of adsorbed species on Pt steps at low potentials.. <i>Nature Communications</i> , 2022 , 13, 2550	17.4	2
534	SO ₂ Electrooxidation Reaction on Pt Single Crystal Surfaces in Acidic Media: Electrochemical and in situ FTIR Studies. <i>Electrochimica Acta</i> , 2021 , 403, 139601	6.7	0
533	New insights into the hydrogen peroxide reduction reaction and its comparison with the oxygen reduction reaction in alkaline media on well-defined platinum surfaces. <i>Journal of Catalysis</i> , 2021 , 398, 123-132	7.3	2
532	Small (. <i>ChemElectroChem</i> , 2021 , 8, 49-52	4.3	5
531	The role of adsorbates in electrocatalytic systems: An analysis of model systems with single crystals. <i>Current Opinion in Electrochemistry</i> , 2021 , 26, 100666	7.2	3
530	Glutamate adsorption on the Au(111) surface at different pH values. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 880, 114870	4.1	1
529	Charge effects on the behavior of CTAB adsorbed on Au(111) electrodes in aqueous solutions. <i>Electrochimica Acta</i> , 2021 , 370, 137737	6.7	2
528	Detection of Superoxide Anion Oxygen Reduction Reaction Intermediate on Pt(111) by Infrared Reflection Absorption Spectroscopy in Neutral pH Conditions. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 1588-1592	6.4	3
527	Interfacial Water Structure as a Descriptor for Its Electro-Reduction on Ni(OH)-Modified Cu(111). <i>ACS Catalysis</i> , 2021 , 11, 10324-10332	13.1	7
526	Formic acid electrooxidation on small, {1 0 0} structured, and Pd decorated carbon-supported Pt nanoparticles. <i>Journal of Catalysis</i> , 2021 , 400, 140-147	7.3	2
525	Surface charge and interfacial acid-base properties: pK _{a,2} of carbon dioxide at Pt(110)/perchloric acid solution interfaces.. <i>Electrochimica Acta</i> , 2021 , 388, 138639	6.7	1
524	On the behavior of CTAB/CTAOH adlayers on gold single crystal surfaces. <i>Electrochimica Acta</i> , 2021 , 391, 138947	6.7	4
523	Oxygen reduction reaction on Pd nanoparticles supported on novel mesoporous carbon materials. <i>Electrochimica Acta</i> , 2021 , 394, 139132	6.7	2
522	Cu(111) single crystal electrodes: Modifying interfacial properties to tailor electrocatalysis. <i>Electrochimica Acta</i> , 2021 , 396, 139222	6.7	2
521	Energy and economic advantages of simultaneous hydrogen and biogas production in microbial electrolysis cells as a function of the applied voltage and biomass content. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 2003-2017	5.8	5

520	On the thermodynamics of hydrogen adsorption over Pt(111) in 0.05M NaOH.. <i>Journal of Chemical Physics</i> , 2021 , 155, 244704	3.9	
519	State of the art in the electrochemical characterization of the surface structure of shape-controlled Pt, Au, and Pd nanoparticles. <i>Current Opinion in Electrochemistry</i> , 2020 , 22, 65-71	7.2	12
518	New insights into the Pt(hkl)-alkaline solution interphases from the laser induced temperature jump method. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 872, 114068	4.1	9
517	Why the activity of the hydrogen oxidation reaction on platinum decreases as pH increases. <i>Electrochimica Acta</i> , 2020 , 354, 136620	6.7	15
516	Future tasks in interfacial electrochemistry and surface reactivity. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 2073-2075	2.6	4
515	Structure effects on electrocatalysts. Oxygen reduction on Te-modified Pt(111) surfaces: Site-blocking vs electronic effects. <i>Journal of Chemical Physics</i> , 2020 , 152, 134702	3.9	0
514	Citrate adsorption on gold: Understanding the shaping mechanism of nanoparticles. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 875, 114015	4.1	4
513	Recent progress on oxygen and hydrogen peroxide reduction reactions on Pt single crystal electrodes. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 732-738	11.3	6
512	Single Crystal Electrochemistry as an In Situ Analytical Characterization Tool. <i>Annual Review of Analytical Chemistry</i> , 2020 , 13, 201-222	12.5	8
511	Revisiting the Atomistic Structures at the Interface of Au(111) Electrode-Sulfuric Acid Solution. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9439-9446	16.4	22
510	The Role of Surface Sites on the Oscillatory Oxidation of Methanol on Stepped Pt[n(111) [(110)] Electrodes. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 10993-11004	3.8	8
509	Determination of the potential of zero charge of Pt/CO electrodes using an impinging jet system. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 2871-2881	2.6	1
508	Direct Raman Spectroscopic Evidence of Oxygen Reduction Reaction Intermediates at High-Index Pt() Surfaces. <i>Journal of the American Chemical Society</i> , 2020 , 142, 715-719	16.4	80
507	Monitoring of CO Binding Sites on Stepped Pt Single Crystal Electrodes in Alkaline Solutions by in Situ FTIR Spectroscopy. <i>Langmuir</i> , 2020 , 36, 704-714	4	4
506	Hydrogen peroxide and oxygen reduction studies on Pt stepped surfaces: Surface charge effects and mechanistic consequences. <i>Electrochimica Acta</i> , 2020 , 334, 135452	6.7	16
505	Identity of the Most and Least Active Sites for Activation of the Pathways for CO ₂ Formation from the Electro-oxidation of Methanol and Ethanol on Platinum. <i>ACS Catalysis</i> , 2020 , 10, 543-555	13.1	12
504	Role of OH Intermediates during the Au Oxide Electro-Reduction at Low pH Elucidated by Electrochemical Surface-Enhanced Raman Spectroscopy and Implicit Solvent Density Functional Theory. <i>ACS Catalysis</i> , 2020 , 10, 12716-12726	13.1	6
503	Elucidating the Structure of the Cu-Alkaline Electrochemical Interface with the Laser-Induced Temperature Jump Method. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 23253-23259	3.8	17

502	Glucose electro-oxidation on Pt(100) in phosphate buffer solution (pH 7): A mechanistic study. <i>Electrochimica Acta</i> , 2020 , 354, 136765	6.7	7
501	Surface Defects as Ingredients That Can Improve or Inhibit the Pathways for CO Oxidation at Low Overpotentials Using Pt(111)-Type Catalysts. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 26583-26595	3.8	2
500	Investigation of reactivity of Pt basal planes towards glucose electro-oxidation in neutral solution (pH 7): structure-sensitivity dependence and mechanistic study. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 878, 114549	4.1	7
499	Activation Energy of Hydrogen Adsorption on Pt(111) in Alkaline Media: An Impedance Spectroscopy Study at Variable Temperatures. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 42911-42917	8.5	4
498	The influence of stepped Pt[n(111)/(110)] electrodes towards glycerol electrooxidation: Electrochemical and FTIR studies. <i>Electrochimica Acta</i> , 2020 , 346, 136187	6.7	5
497	Rational Design of Electrocatalytic Interfaces: Cd UPD Mediated Nitrate Reduction on Pd: Au Bimetallic Surfaces. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H640-H643	3.9	4
496	Potential-induced acid-base chemistry of adsorbed species. <i>Electrochimica Acta</i> , 2019 , 324, 134793	6.7	3
495	Oxygen Reduction on Platinum Surfaces in Acid Media: Experimental Evidence of a CECE/DISP Initial Reaction Path. <i>ACS Catalysis</i> , 2019 , 9, 2238-2251	13.1	21
494	Peroxodisulfate reduction on platinum stepped surfaces vicinal to the (110) and (100) poles. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 847, 113226	4.1	3
493	Oxide formation as probe to investigate the competition between water and alcohol molecules for OH species adsorbed on platinum. <i>Electrochimica Acta</i> , 2019 , 317, 694-700	6.7	8
492	Pt(hkl) surface charge and reactivity. <i>Current Opinion in Electrochemistry</i> , 2019 , 17, 97-105	7.2	26
491	Investigating the M(hkl) ionic liquid interface by using laser induced temperature jump technique. <i>Electrochimica Acta</i> , 2019 , 311, 30-40	6.7	12
490	Vibrational Properties of Pd Nanocubes. <i>Nanomaterials</i> , 2019 , 9,	5.4	3
489	Electrocatalytic Oxidation of Glycerol on Platinum Single Crystals in Alkaline Media. <i>ChemElectroChem</i> , 2019 , 6, 4238-4245	4.3	15
488	Effects of the Interfacial Structure on the Methanol Oxidation on Platinum Single Crystal Electrodes. <i>Surfaces</i> , 2019 , 2, 177-192	2.9	9
487	In-situ STM and AFM Studies on Electrochemical Interfaces in imidazolium-based ionic liquids. <i>Electrochimica Acta</i> , 2019 , 309, 11-17	6.7	22
486	Investigation of the interfacial properties of platinum stepped surfaces using peroxodisulfate reduction as a local probe. <i>Electrochimica Acta</i> , 2019 , 307, 553-563	6.7	7
485	Surface Structure Characterization of Shape and Size Controlled Pd Nanoparticles by Cu UPD: A Quantitative Approach. <i>Frontiers in Chemistry</i> , 2019 , 7, 527	5	11

484	Interfacial Study of Nickel-Modified Pt(111) Surfaces in Phosphate-Containing Solutions: Effect on the Hydrogen Evolution Reaction. <i>ChemPhysChem</i> , 2019 , 20, 3056-3066	3.2	5
483	Nitrate anion reduction in aqueous perchloric acid as an electrochemical probe of Pt{1 1 0}-(1 1 1) terrace sites. <i>Journal of Catalysis</i> , 2019 , 378, 238-247	7.3	4
482	Coherent Bragg imaging of 60 nm Au nanoparticles under electrochemical control at the NanoMAX beamline. <i>Journal of Synchrotron Radiation</i> , 2019 , 26, 1830-1834	2.4	13
481	Toward a quantitative theoretical method for infrared and Raman spectroscopic studies on single-crystal electrode/liquid interfaces. <i>Chemical Science</i> , 2019 , 11, 1425-1430	9.4	8
480	Acetonitrile Adsorption on Pt Single-Crystal Electrodes and Its Effect on Oxygen Reduction Reaction in Acidic and Alkaline Aqueous Solutions. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 2300-2313 ^{3.8}		13
479	Glycerol electrooxidation on Pd modified Au surfaces in alkaline media: Effect of the deposition method. <i>Journal of Chemical Physics</i> , 2019 , 150, 041703	3.9	17
478	The role of formic acid/formate equilibria in the oxidation of formic acid on Pt (111). <i>Electrochemistry Communications</i> , 2019 , 98, 10-14	5.1	18
477	Determination of Specific Electrocatalytic Sites in the Oxidation of Small Molecules on Crystalline Metal Surfaces. <i>Topics in Current Chemistry</i> , 2019 , 377, 5	7.2	7
476	Electrocatalytic enhancement of formic acid oxidation reaction by acetonitrile on well-defined platinum surfaces. <i>Electrochimica Acta</i> , 2019 , 295, 835-845	6.7	12
475	Stark effect or coverage dependence? Disentangling the EC-SEIRAS vibrational shift of sulfate on Au(111). <i>Journal of Chemical Physics</i> , 2019 , 150, 041709	3.9	9
474	Effect of the Interfacial Water Structure on the Hydrogen Evolution Reaction on Pt(111) Modified with Different Nickel Hydroxide Coverages in Alkaline Media. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 613-623	9.5	62
473	In situ Raman spectroscopic evidence for oxygen reduction reaction intermediates at platinum single-crystal surfaces. <i>Nature Energy</i> , 2019 , 4, 60-67	62.3	275
472	New probes to surface free charge at electrochemical interfaces with platinum electrodes. <i>Current Opinion in Electrochemistry</i> , 2019 , 14, 16-22	7.2	22
471	Pt-Rich/Sn-Rich/Pt Nanocubes As Highly Active and Stable Electrocatalysts for the Ethanol Oxidation Reaction. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3791-3797	16.4	124
470	Understanding formic acid oxidation mechanism on platinum single crystal electrodes. <i>Current Opinion in Electrochemistry</i> , 2018 , 9, 145-150	7.2	30
469	Unraveling the Nature of Active Sites in Ethanol Electro-oxidation by Site-Specific Marking of a Pt Catalyst with Isotope-Labeled CO. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 1206-1210	6.4	14
468	Surface Sensitive Nickel Electrodeposition in Deep Eutectic Solvent. <i>ACS Applied Energy Materials</i> , 2018 , 1, 1016-1028	6.1	29
467	Peroxodisulfate reduction as a probe to interfacial charge. <i>Electrochemistry Communications</i> , 2018 , 88, 43-46	5.1	30

- 466 A conventional symmetric biosupercapacitor based on rusticyanin modified gold electrodes. *Journal of Electroanalytical Chemistry*, **2018**, 816, 253-258 4.1 5
- 465 Oxygen reduction at platinum electrodes: The interplay between surface and surroundings properties. *Current Opinion in Electrochemistry*, **2018**, 9, 166-172 7.2 26
- 464 On the quality and stability of preferentially oriented (100) Pt nanoparticles: An electrochemical insight. *Journal of Electroanalytical Chemistry*, **2018**, 808, 433-438 4.1 16
- 463 Bromide Adsorption on Pt(111) over a Wide Range of pH: Cyclic Voltammetry and CO Displacement Experiments. *Journal of Physical Chemistry C*, **2018**, 122, 18562-18569 3.8 9
- 462 Pt-grown carbon nanofibers for detection of hydrogen peroxide.. *RSC Advances*, **2018**, 8, 12742-12751 3.7 6
- 461 Why Citrate Shapes Tetrahedral and Octahedral Colloidal Platinum Nanoparticles in Water. *Journal of Physical Chemistry C*, **2018**, 122, 19004-19014 3.8 14
- 460 Reaction Mechanism for Oxygen Reduction on Platinum: Existence of a Fast Initial Chemical Step and a Soluble Species Different from H₂O₂. *ACS Catalysis*, **2018**, 8, 7931-7943 13.1 26
- 459 Regularities of nitrate electroreduction on Pt(S)[n(100)x(110)] stepped platinum single crystals modified by copper adatoms. *Electrochimica Acta*, **2018**, 278, 165-175 6.7 6
- 458 Spectroelectrochemical and Density Functional Theory Study of Squaric Acid Adsorption and Oxidation at Gold Thin Film and Single Crystal Electrodes. *Journal of Physical Chemistry C*, **2018**, 122, 22352-22365 3.8 3
- 457 Use of CO as a Cleaning Tool of Highly Active Surfaces in Contact with Ionic Liquids: Ni Deposition on Pt(111) Surfaces in IL. *ACS Applied Energy Materials*, **2018**, 1, 4617-4625 6.1 7
- 456 Mechanistic aspects of glycerol electrooxidation on Pt(111) electrode in alkaline media. *Electrochemistry Communications*, **2018**, 86, 149-152 5.1 26
- 455 Underpotential deposition of Nickel on platinum single crystal electrodes. *Journal of Electroanalytical Chemistry*, **2018**, 819, 391-400 4.1 11
- 454 Citrate-Coated, Size-Tunable Octahedral Platinum Nanocrystals: A Novel Route for Advanced Electrocatalysts. *ACS Applied Materials & Interfaces*, **2018**, 10, 41608-41617 9.5 17
- 453 Analysis of catechol, 4-methylcatechol and dopamine electrochemical reactions on different substrate materials and pH conditions. *Electrochimica Acta*, **2018**, 292, 309-321 6.7 9
- 452 Understandings on the Inhibition of Oxygen Reduction Reaction by Bromide Adsorption on Pt(111) Electrodes at Different pH Values. *Journal of the Electrochemical Society*, **2018**, 165, J3045-J3051 3.9 12
- 451 Requirement of initial long-range substrate structure in unusual CO pre-oxidation on Pt(111) electrodes. *Electrochemistry Communications*, **2018**, 97, 60-63 5.1 5
- 450 Comprehensive Study of the Enzymatic Catalysis of the Electrochemical Oxygen Reduction Reaction (ORR) by Immobilized Copper Efflux Oxidase (CueO) From. *Frontiers in Chemistry*, **2018**, 6, 358 5 13
- 449 Study of the Pt (111) | electrolyte interface in the region close to neutral pH solutions by the laser induced temperature jump technique. *Electrochimica Acta*, **2017**, 228, 667-676 6.7 41

448	Trimesic acid on Cu in ethanol: Potential-dependent transition from 2-D adsorbate to 3-D metal-organic framework. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 793, 226-234	4.1	4
447	Mobility and Oxidation of Adsorbed CO on Shape-Controlled Pt Nanoparticles in Acidic Medium. <i>Langmuir</i> , 2017 , 33, 865-871	4	18
446	Voltammetric and in situ infrared spectroscopy studies of hydroxyurea electrooxidation at Au(111) electrodes in HClO ₄ solutions. <i>Electrochemistry Communications</i> , 2017 , 76, 34-37	5.1	3
445	The Role of Adsorption in the Electrocatalysis of Hydrazine on Platinum Electrodes. <i>ChemElectroChem</i> , 2017 , 4, 1130-1134	4.3	3
444	Surface Electrochemistry with Pt Single-Crystal Electrodes. <i>Advances in Electrochemical Science and Engineering</i> , 2017 , 1-57		11
443	Effect of pH and Water Structure on the Oxygen Reduction Reaction on platinum electrodes. <i>Electrochimica Acta</i> , 2017 , 241, 497-509	6.7	74
442	On the pH Dependence of the Potential of Maximum Entropy of Ir(111) Electrodes. <i>Scientific Reports</i> , 2017 , 7, 1246	4.9	27
441	Kinetics at Single Crystal Electrodes 2017 , 113-146		
440	Heterogeneous electrocatalysis of formic acid oxidation on platinum single crystal electrodes. <i>Current Opinion in Electrochemistry</i> , 2017 , 4, 26-31	7.2	17
439	Investigating interfacial parameters with platinum single crystal electrodes. <i>Russian Journal of Electrochemistry</i> , 2017 , 53, 227-236	1.2	24
438	Spectroelectrochemical detection of specifically adsorbed cyanurate anions at gold electrodes with (111) orientation in contact with cyanate and cyanuric acid neutral solutions. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 800, 167-175	4.1	7
437	Nonuniform Synergistic Effect of Sn and Ru in Site-Specific Catalytic Activity of Pt at Bimetallic Surfaces toward CO Electro-oxidation. <i>ACS Catalysis</i> , 2017 , 7, 3434-3445	13.1	28
436	Copper underpotential deposition at gold surfaces in contact with a deep eutectic solvent: New insights. <i>Electrochemistry Communications</i> , 2017 , 78, 51-55	5.1	20
435	Interfacial water reorganization as a pH-dependent descriptor of the hydrogen evolution rate on platinum electrodes. <i>Nature Energy</i> , 2017 , 2,	62.3	505
434	Effect of surface structure of platinum single crystal electrodes on the electrochemical reduction of CO ₂ in methanol-water mixtures. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 793, 157-163	4.1	4
433	Site-specific catalytic activity of model platinum surfaces in different electrolytic environments as monitored by the CO oxidation reaction. <i>Journal of Catalysis</i> , 2017 , 345, 216-227	7.3	16
432	Structure, surface chemistry and electrochemical de-alloying of bimetallic Pt _x Ag _{100-x} nanoparticles: Quantifying the changes in the surface properties for adsorption and electrocatalytic transformation upon selective Ag removal. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 793, 164-173	4.1	7
431	An Aza-Fused EConjugated Microporous Framework Catalyzes the Production of Hydrogen Peroxide. <i>ACS Catalysis</i> , 2017 , 7, 1015-1024	13.1	54

430	The inhibition of hydrogen peroxide reduction at low potentials on Pt(111): Hydrogen adsorption or interfacial charge?. <i>Electrochemistry Communications</i> , 2017 , 85, 32-35	5.1	22
429	Electrocatalytic oxidation and reduction of H ₂ O ₂ on Au single crystals. <i>Russian Journal of Electrochemistry</i> , 2017 , 53, 1029-1041	1.2	11
428	Amorphous carbon thin film electrodes with intrinsic Pt-gradient for hydrogen peroxide detection. <i>Electrochimica Acta</i> , 2017 , 251, 60-70	6.7	7
427	Loading effect of carbon-supported platinum nanocubes on oxygen electroreduction. <i>Electrochimica Acta</i> , 2017 , 251, 155-166	6.7	24
426	Formic acid oxidation on platinum electrodes: a detailed mechanism supported by experiments and calculations on well-defined surfaces. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 21773-21784	13	49
425	Electroreduction of Oxygen on PdPt Alloy Nanocubes in Alkaline and Acidic Media. <i>ChemElectroChem</i> , 2017 , 4, 2547-2555	4.3	12
424	Chronoamperometric Study of Ammonia Oxidation in a Direct Ammonia Alkaline Fuel Cell under the Influence of Microgravity. <i>Microgravity Science and Technology</i> , 2017 , 29, 253-261	1.6	7
423	DFT and spectroelectrochemical study of cyanate adsorption on gold single crystal electrodes in neutral medium. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 793, 147-156	4.1	6
422	The voltammetry of surfaces vicinal to Pt{110}: Structural complexity simplified by CO cooling. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 793, 137-146	4.1	23
421	Understanding CO oxidation reaction on platinum nanoparticles. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 793, 126-136	4.1	15
420	Formation of cyanuric acid from cyanate adsorbed at gold electrodes. <i>Electrochemistry Communications</i> , 2017 , 74, 1-4	5.1	4
419	Formic acid electrooxidation on thallium modified platinum single crystal electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 800, 82-88	4.1	10
418	Oxidation of ethanol on platinum nanoparticles: surface structure and aggregation effects in alkaline medium. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 1095-1106	2.6	17
417	Preface to the Kohei Uosaki Festschrift: Electrochemistry of Ordered Interfaces Design, Construction, and Interrogation of Functional Electrochemical Interphases with Atomic/Molecular Resolution. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 15527-15529	3.8	2
416	Electrochemical Characterisation of Platinum Nanoparticles Prepared in a Water-in-Oil Microemulsion in the Presence of Different Modifiers and Metal Precursors. <i>ChemElectroChem</i> , 2016 , 3, 1601-1608	4.3	4
415	Potential oscillations during electro-oxidation of ethanol on platinum in alkaline media: The role of surface sites. <i>Electrochemistry Communications</i> , 2016 , 72, 83-86	5.1	10
414	Weakening the C C bond: On the behavior of glyoxylic acid on Pt(111) and its vicinal surfaces. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 779, 75-85	4.1	1
413	Role of the interfacial water structure on electrocatalysis: Oxygen reduction on Pt(1 1 1) in methanesulfonic acid. <i>Catalysis Today</i> , 2016 , 262, 95-99	5.3	15

412	Oxygen electroreduction on carbon-supported Pd nanocubes in acid solutions. <i>Electrochimica Acta</i> , 2016 , 188, 301-308	6.7	25
411	Cu UPD at Pt(100) and stepped faces Pt(610), Pt(410) of platinum single crystal electrodes. <i>Russian Journal of Electrochemistry</i> , 2016 , 52, 890-900	1.2	8
410	Surface Acid-Base Properties of Anion-Adsorbed Species at Pt(111) Electrode Surfaces in Contact with CO ₂ -Containing Perchloric Acid Solutions. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 16191-16199	3.8	28
409	Electrochemical detection of cytosine and 5-methylcytosine on Au(111) surfaces. <i>Electrochemistry Communications</i> , 2016 , 65, 27-30	5.1	8
408	Two-dimensional Cu deposition on Pt(100) and stepped surfaces of platinum single crystals. <i>Electrochimica Acta</i> , 2016 , 194, 385-393	6.7	3
407	Adatom modified shape-controlled platinum nanoparticles towards ethanol oxidation. <i>Electrochimica Acta</i> , 2016 , 196, 270-279	6.7	15
406	Ethanol oxidation on shape-controlled platinum nanoparticles at different pHs: A combined in situ IR spectroscopy and online mass spectrometry study. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 763, 116-124	4.1	40
405	Characterization of the interfaces between Au(hkl) single crystal basal plane electrodes and [Emmim][Tf 2 N] ionic liquid. <i>Electrochemistry Communications</i> , 2016 , 62, 44-47	5.1	20
404	Oxygen reduction reaction on carbon-supported palladium nanocubes in alkaline media. <i>Electrochemistry Communications</i> , 2016 , 64, 9-13	5.1	36
403	Thermodynamic properties of hydrogen/water adsorption at terraces and steps of Pt(111) vicinal surface electrodes. <i>Surface Science</i> , 2016 , 646, 269-281	1.8	13
402	Electrochemical Control of the Core-Shell Cobalt-Platinum Nanoparticles 2016 , 769-782		
401	Recent Advances in the Use of Shape-Controlled Metal Nanoparticles in Electrocatalysis. <i>Nanostructure Science and Technology</i> , 2016 , 31-92	0.9	7
400	Disentangling Catalytic Activity at Terrace and Step Sites on Selectively Ru-Modified Well-Ordered Pt Surfaces Probed by CO Electro-oxidation. <i>ACS Catalysis</i> , 2016 , 6, 2997-3007	13.1	21
399	Cleavage of the C-C Bond in the Ethanol Oxidation Reaction on Platinum. Insight from Experiments and Calculations. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 11590-11597	3.8	35
398	Catalysis of poly(3,4-ethylenedioxythiophene)-Pt(hkl) electrodes towards 2,5-dimercapto-1,3,4-thiadiazole in 1-ethyl-2,3-dimethylimidazolium bis(trifluoromethylsulfonyl)imide. <i>Electrochimica Acta</i> , 2016 , 218, 54-57	6.7	4
397	The effect of interfacial pH on the surface atomic elemental distribution and on the catalytic reactivity of shape-selected bimetallic nanoparticles towards oxygen reduction. <i>Nano Energy</i> , 2016 , 27, 390-401	17.1	31
396	Electrochemical Characterization of Clean Shape-Controlled Pt Nanoparticles Prepared in Presence of Oleylamine/Oleic Acid. <i>Electroanalysis</i> , 2015 , 27, 945-956	3	41
395	Towards the understanding of the interfacial pH scale at Pt(1 1 1) electrodes. <i>Electrochimica Acta</i> , 2015 , 162, 138-145	6.7	101

394	Exploring the interfacial neutral pH region of Pt(111) electrodes. <i>Electrochemistry Communications</i> , 2015 , 58, 62-64	5.1	41
393	Study of the interface Pt(111)/ [Emmim][NTf ₂] using laser-induced temperature jump experiments. <i>Electrochemistry Communications</i> , 2015 , 55, 39-42	5.1	23
392	PdPt alloy nanocubes as electrocatalysts for oxygen reduction reaction in acid media. <i>Electrochemistry Communications</i> , 2015 , 56, 11-15	5.1	32
391	On the activation energy of the formic acid oxidation reaction on platinum electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 742, 90-96	4.1	25
390	Carbon-supported shape-controlled Pt nanoparticle electrocatalysts for direct alcohol fuel cells. <i>Electrochemistry Communications</i> , 2015 , 55, 47-50	5.1	33
389	Structure and morphology of shape-controlled Pd nanocrystals. <i>Journal of Applied Crystallography</i> , 2015 , 48, 1534-1542	3.8	17
388	Identical Location Transmission Electron Microscopy Imaging of Site-Selective Pt Nanocatalysts: Electrochemical Activation and Surface Disorder. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14992-8	16.4	70
387	Understanding the CO Preoxidation and the Intrinsic Catalytic Activity of Step Sites in Stepped Pt Surfaces in Acidic Medium. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20272-20282	3.8	48
386	Elemental Anisotropic Growth and Atomic-Scale Structure of Shape-Controlled Octahedral Pt-Ni-Co Alloy Nanocatalysts. <i>Nano Letters</i> , 2015 , 15, 7473-80	11.5	129
385	Electrochemical reactions of catechol, methylcatechol and dopamine at tetrahedral amorphous carbon (ta-C) thin film electrodes. <i>Diamond and Related Materials</i> , 2015 , 59, 30-39	3.5	48
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