FrÃ©dÃ©ric Aa Kanoufi

List of Publications by Year
in descending order

157 papers	4,537 citations	126907 33 h-index	133252 59 g-index
163 all docs	163 docs citations	163 times ranked	3761 citing authors

#	Article	IF	Citations
1	Sterically Hindered Diazonium Salts for the Grafting of a Monolayer on Metals. Journal of the American Chemical Society, 2008, 130, 8576-8577.	13.7	215
2	Mapping electrogenerated chemiluminescence reactivity in space: mechanistic insight into model systems used in immunoassays. Chemical Science, 2014, 5, 2568-2572.	7.4	182
3	Homogeneous Oxidation of Trialkylamines by Metal Complexes and Its Impact on Electrogenerated Chemiluminescence in the Trialkylamine/Ru(bpy)32+System. Journal of Physical Chemistry B, 2001, 105, 210-216.	2.6	180
4	Spontaneous Grafting of Iron Surfaces by Reduction of Aryldiazonium Salts in Acidic or Neutral Aqueous Solution. Application to the Protection of Iron against Corrosion. Chemistry of Materials, 2005, 17, 3968-3975.	6.7	179
5	Time-of-Flight Secondary Ion Mass Spectroscopy Characterization of the Covalent Bonding between a Carbon Surface and Aryl Groups. Langmuir, 2005, 21, 280-286.	3.5	168
6	Formation of Polyphenylene Films on Metal Electrodes by Electrochemical Reduction of Benzenediazonium Salts. Chemistry of Materials, 2006, 18, 2021-2029.	6.7	153
7	Cyclic voltammetry and scanning electrochemical microscopy of ferrocenemethanol at monolayer and bilayer-modified gold electrodes. Journal of Electroanalytical Chemistry, 2003, 547, 83-91.	3.8	138
8	Correlated Electrochemical and Optical Detection Reveals the Chemical Reactivity of Individual Silver Nanoparticles. Journal of the American Chemical Society, 2016, 138, 3478-3483.	13.7	136
9	Steric Effects in the Reaction of Aryl Radicals on Surfaces. Langmuir, 2009, 25, 286-293.	3.5	121
10	Electrogenerated Chemiluminescence. 65. An Investigation of the Oxidation of Oxalate by Tris(polypyridine) Ruthenium Complexes and the Effect of the Electrochemical Steps on the Emission Intensity. Journal of Physical Chemistry B, 1999, 103, 10469-10480.	2.6	94
11	Dynamics of Bond Breaking in Ion Radicals. Mechanisms and Reactivity in the Reductive Cleavage of Carbonâ^'Fluorine Bonds of Fluoromethylarenes. Journal of the American Chemical Society, 1997, 119, 9527-9540.	13.7	87
12	Chemical communication between liposomes encapsulating a chemical oscillatory reaction. Chemical Science, 2014, 5, 1854-1859.	7.4	71
13	Cyclic Voltammetric and Scanning Electrochemical Microscopic Study of Menadione Permeability through a Self-Assembled Monolayer on a Gold Electrode. Langmuir, 2002, 18, 8134-8141.	3.5	68
14	Deciphering the Elementary Steps of Transport-Reaction Processes at Individual Ag Nanoparticles by 3D Superlocalization Microscopy. Nano Letters, 2015, 15, 6454-6463.	9.1	65
15	Microchip integrating magnetic nanoparticles for allergy diagnosis. Lab on A Chip, 2011, 11, 4207.	6.0	64
16	Surface modification of halogenated polymers. 4. Functionalisation of poly(tetrafluoroethylene) surfaces by diazonium salts. Polymer, 2003, 44, 19-24.	3.8	62
17	Sensitized Photografting of Diazonium Salts by Visible Light.. Chemistry of Materials, 2013, 25, 90-97.	6.7	61
18	Imaging and Quantifying the Formation of Single Nanobubbles at Single Platinum Nanoparticles during the Hydrogen Evolution Reaction. ACS Nano, 2021, 15, 2643-2653.	14.6	51

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19	Electrochemistry of Single Nanodomains Revealed by Three-Dimensional Holographic Microscopy. Accounts of Chemical Research, 2016, 49, 2049-2057.	15.6	49
20	Combining Electrodeposition and Optical Microscopy for Probing Sizeâ€Dependent Singleâ€Nanoparticle Electrochemistry. Angewandte Chemie - International Edition, 2018, 57, 11998-12002.	13.8	49
21	Spontaneous grafting of diazoates on metals. Electrochimica Acta, 2009, 54, 2164-2170.	5.2	48
22	Optoâ€electrochemical In Situ Monitoring of the Cathodic Formation of Single Cobalt Nanoparticles. Angewandte Chemie - International Edition, 2017, 56, 10598-10601.	13.8	48
23	Local direct and indirect reduction of electrografted aryldiazonium/gold surfaces for polymer brushes patterning. Electrochimica Acta, 2009, 54, 5127-5136.	5.2	47
24	Scanning electrochemical microscopy for the direct patterning of a gold surface with organic moities derived from iodonium salt. Electrochemistry Communications, 2008, 10, 1230-1234.	4.7	44
25	Platinum Nanoparticle Impacts at a Liquid|Liquid Interface. Angewandte Chemie - International Edition, 2017, 56, 13493-13497.	13.8	44
26	Electrografting of Diazoniumâ€Functionalized Polyoxometalates: Synthesis, Immobilisation and Electronâ€Transfer Characterisation from Glassy Carbon. Chemistry - A European Journal, 2013, 19, 13838-13846.	3.3	42
27	Some Theoretical and Experimental Insights on the Mechanistic Routes Leading to the Spontaneous Grafting of Gold Surfaces by Diazonium Salts. Langmuir, 2017, 33, 8730-8738.	3.5	41
28	Scanning Electrochemical Microscopy. Hydrodynamics Generated by the Motion of a Scanning Tip and Its Consequences on the Tip Current. Analytical Chemistry, 2005, 77, 7966-7975.	6.5	40
29	Photochemical grafting of diazonium salts on metals. Chemical Communications, 2011, 47, 12631.	4.1	40
30	Control of the Grafting of Hybrid Polyoxometalates on Metal and Carbon Surfaces: Toward Submonolayers. Langmuir, 2014, 30, 2287-2296.	3.5	39
31	A conductive hydrogel based on alginate and carbon nanotubes for probing microbial electroactivity. Soft Matter, 2018, 14, 1434-1441.	2.7	37
32	Surface modification of halogenated polymers. Journal of Electroanalytical Chemistry, 2003, 556, 43-52.	3.8	36
33	Electron transfer properties of a monolayer of hybrid polyoxometalates on silicon. Journal of Materials Chemistry C, 2015, 3, 6266-6275.	5.5	36
34	In Situ Optical Monitoring of the Electrochemical Conversion of Dielectric Nanoparticles: From Multistep Charge Injection to Nanoparticle Motion. Journal of the American Chemical Society, 2020, 142, 7937-7946.	13.7	35
35	Hybrid scanning electrochemical cell microscopy-interference reflection microscopy (SECCM-IRM): tracking phase formation on surfaces in small volumes. Faraday Discussions, 2021, 233, 122-148.	3.2	35
36	Simultaneous electrochemical and 3D optical imaging of silver nanoparticle oxidation. Chemical Physics Letters, 2014, 597, 20-25.	2.6	34

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37	Scanning Electrochemical Microscopy. 43. Investigation of Oxalate Oxidation and Electrogenerated Chemiluminescence across the Liquidâ"Liquid Interface. Journal of Physical Chemistry B, 2001, 105, 8951-8962.	2.6	33
38	Scanning Electrochemical Microscopy with a Band Microelectrode:Â Theory and Application. Analytical Chemistry, 2004, 76, 3612-3618.	6.5	33
39	Microelectrochemical Patterning of Surfaces with Polymer Brushes. Chemistry of Materials, 2008, 20, 6677-6685.	6.7	33
40	Scanning Electron Microscopy Investigation of Molecular Transport and Reactivity within Polymer Brushes. ChemPhysChem, 2010, 11, 670-682.	2.1	33
41	Monitoring Cobalt-Oxide Single Particle Electrochemistry with Subdiffraction Accuracy. Analytical Chemistry, 2018, 90, 7341-7348.	6.5	33
42	Surface modification of halogenated polymers. 6. Graft copolymerization of poly(tetrafluoroethylene) surfaces by polyacrylic acid. Polymer, 2004, 45, 4669-4675.	3.8	32
43	Electrochemical and Spectroscopic Investigation of Counterions Exchange in Polyelectrolyte Brushes. Langmuir, 2009, 25, 5360-5370.	3.5	32
44	Patterning of Polystyrene by Scanning Electrochemical Microscopy. Biological Applications to Cell Adhesion. Langmuir, 2010, 26, 17348-17356.	3.5	32
45	Differentiating electrochemically active regions of indium tin oxide electrodes for hydrogen evolution and reductive decomposition reactions. An in situ optical microscopy approach. Electrochimica Acta, 2021, 386, 138498.	5.2	30
46	Surface modification of halogenated polymers: 1. Polytetrafluoroethylene. Polymer, 1997, 38, 3295-3305.	3.8	29
47	Polyaniline films based ultramicroelectrodes sensitive to pH. Journal of Electroanalytical Chemistry, 2008, 612, 53-62.	3.8	29
48	Surface Modification of Halogenated Polymers. 8. Local Reduction of Poly(tetrafluoroethylene) by the Scanning Electrochemical Microscope â" Transient Investigation. Journal of Physical Chemistry B, 2004, 108, 19260-19268.	2.6	28
49	Electrochemical transformation of individual nanoparticles revealed by coupling microscopy and spectroscopy. Faraday Discussions, 2016, 193, 339-352.	3.2	28
50	Indirect Grafting of Acetonitrile-Derived Films on Metallic Substrates. Chemistry of Materials, 2010, 22, 2962-2969.	6.7	27
51	Localized Reduction of Graphene Oxide by Electrogenerated Naphthalene Radical Anions and Subsequent Diazonium Electrografting. Journal of the American Chemical Society, 2014, 136, 4833-4836.	13.7	27
52	Optical monitoring of the electrochemical nucleation and growth of silver nanoparticles on electrode: From single to ensemble nanoparticles inspection. Journal of Electroanalytical Chemistry, 2020, 872, 114043.	3.8	27
53	Alkyl-Modified Gold Surfaces: Characterization of the Auâ€"C Bond. Langmuir, 2018, 34, 11264-11271.	3.5	26
54	Electrochemical and XPS investigations of the anodic substitution of an electronic conducting polymer. Cyanation of poly[(1,4-dimethoxybenzene)-co-(3-methylthiophene)]. Journal of Electroanalytical Chemistry, 1997, 434, 225-234.	3.8	25

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55	Reduction of Polyfluorinated Compounds. Journal of Physical Chemistry B, 2003, 107, 10894-10905.	2.6	24
56	Surface Modification of Halogenated Polymers. 7. Local Reduction of Poly(tetrafluoroethylene) and Poly(chlorotrifluoroethylene) by a Scanning Electrochemical Microscope in the Feedback Mode. Journal of Physical Chemistry B, 2004, 108, 6391-6397.	2.6	24
57	Surface Modification of Halogenated Polymers. 10. Redox Catalysis Induction of the Polymerization of Vinylic Monomers. Application to the Localized Graft Copolymerization of Poly(tetrafluoroethylene) Surfaces by Vinylic Monomers. Chemistry of Materials, 2007, 19, 3830-3839.	6.7	24
58	Lithography by Scanning Electrochemical Microscopy with a Multiscaled Electrode. Analytical Chemistry, 2010, 82, 5169-5175.	6.5	24
59	Physisorption vs grafting of aryldiazonium salts onto iron: A corrosion study. Electrochimica Acta, 2011, 56, 10762-10766.	5.2	24
60	Emerging Optical Microscopy Techniques for Electrochemistry. Annual Review of Analytical Chemistry, 2022, 15, 57-82.	5.4	24
61	Local etching of copper films by the Scanning Electrochemical Microscope in the feedback mode: A theoretical and experimental investigation. Electrochimica Acta, 2011, 56, 10701-10707.	5.2	23
62	Mapping fluxes of radicals from the combination of electrochemical activation and optical microscopy. Faraday Discussions, 2013, 164, 241.	3.2	23
63	Electrografting of Alkyl Films at Low Driving Force by Diverting the Reactivity of Aryl Radicals Derived from Diazonium Salts. Langmuir, 2014, 30, 13907-13913.	3.5	23
64	Synergistic Effect on Corrosion Resistance of Phynox Substrates Grafted with Surface-Initiated ATRP (Co)polymerization of 2-Methacryloyloxyethyl Phosphorylcholine (MPC) and 2-Hydroxyethyl Methacrylate (HEMA). ACS Applied Materials & Interfaces, 2014, 6, 10060-10071.	8.0	23
65	Prussian Blue Degradation during Hydrogen Peroxide Reduction: A Scanning Electrochemical Microscopy Study on the Role of the Hydroxide Ion and Hydroxyl Radical. ChemElectroChem, 2016, 3, 1178-1184.	3.4	23
66	Imaging of a Thin Oxide Film Formation from the Combination of Surface Reflectivity and Electrochemical Methods. Analytical Chemistry, 2017, 89, 5303-5310.	6.5	23
67	Decoupling the Dynamics of Zinc Hydroxide Sulfate Precipitation/Dissolution in Aqueous Znâ€“MnO₂ Batteries by Operando Optical Microscopy: A Missing Piece of the Mechanistic Puzzle. Advanced Energy Materials, 2022, 12, .	19.5	22
68	Wetting Line Behavior on a Locally Surface Treated Poly(tetrafluoroethylene). Langmuir, 2003, 19, 6711-6716.	3.5	21
69	Reactivity of Surfaces Determined by Local Electrochemical Triggering: A Bromoâ€Terminated Selfâ€Assembled Monolayer. Angewandte Chemie - International Edition, 2012, 51, 5208-5212.	13.8	21
70	Optical Nanoimpacts of Dielectric and Metallic Nanoparticles on Gold Surface by Reflectance Microscopy: Adsorption or Bouncing?. Journal of Analysis and Testing, 2019, 3, 175-188.	5.1	21
71	Micrometrically Controlled Surface Modification of Teflon ^{Â®} by Redox Catalysis: Electrochemical Coupling between Teflon ^{Â®} and a Gold Band Ultramicroelectrode. Chemistry - A European Journal, 2000, 6, 820-835.	3.3	20
72	Electrochemical Investigation of Nitinol/Tantalum Hybrid Surfaces Modified by Alkylphosphonic Self-Assembled Monolayers. Electrochimica Acta, 2014, 116, 78-88.	5.2	20

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73	Scanning Electrochemical Microscopy of Belousovâ€“Zhabotinsky Reaction: How Confined Oscillations Reveal Short Lived Radicals and Auto-Catalytic Species. Analytical Chemistry, 2015, 87, 9621-9630.	6.5	20
74	Local Oxidation of Polystyrene by Scanning Electrochemical Microscopy. Journal of Physical Chemistry C, 2011, 115, 17891-17897.	3.1	19
75	Surface Modification of Polymers by Reaction of Alkyl Radicals. Langmuir, 2016, 32, 512-518.	3.5	19
76	Surface modification of halogenated polymers. Polymer, 1999, 40, 2011-2026.	3.8	18
77	Surface Reactivity from Electrochemical Lithography: Illustration in the Steady-State Reductive Etching of Perfluorinated Surfaces. Analytical Chemistry, 2011, 83, 6106-6113.	6.5	18
78	Kinetic analyses and performance of a colloidal magnetic nanoparticle based immunoassay dedicated to allergy diagnosis. Analytical and Bioanalytical Chemistry, 2011, 400, 3395-3407.	3.7	18
79	Radical Chemistry from Diazonium-Terminated Surfaces. Chemistry of Materials, 2013, 25, 605-612.	6.7	18
80	Grafting of an aluminium surface with organic layers. RSC Advances, 2016, 6, 78369-78377.	3.6	18
81	Facilitated Lewis Acid Transfer by Phospholipids at a (Water|CHCl₃) Liquid|Liquid Interface toward Biomimetic and Energy Applications. Journal of Physical Chemistry C, 2016, 120, 11977-11983.	3.1	18
82	Self-assembled thiolate functionalized gold nanoparticles template toward tailoring the morphology of electrochemically deposited silver nanostructure. Electrochimica Acta, 2013, 88, 621-631.	5.2	17
83	Deciphering Competitive Routes for Nickelâ€Based Nanoparticle Electrodeposition by an Operando Optical Monitoring. Angewandte Chemie - International Edition, 2021, 60, 16980-16983.	13.8	17
84	One-Step Formation of Bifunctionnal Aryl/Alkyl Grafted Films on Conducting Surfaces by the Reduction of Diazonium Salts in the Presence of Alkyl Iodides. Langmuir, 2015, 31, 5406-5415.	3.5	16
85	The promise of antireflective gold electrodes for optically monitoring the electro-deposition of single silver nanoparticles. Faraday Discussions, 2018, 210, 381-395.	3.2	16
86	Surface modification of halogenated polymers. 9. Etching of polytetrafluoroethylene with the scanning electrochemical microscope. Journal of Electroanalytical Chemistry, 2006, 589, 243-248.	3.8	15
87	In Situ, Real Time Monitoring of Surface Transformation: Ellipsometric Microscopy Imaging of Electrografting at Microstructured Gold Surfaces. Analytical Chemistry, 2013, 85, 1965-1971.	6.5	15
88	Electron Transfer to a Phosphomolybdate Monolayer on Glassy Carbon: Ambivalent Effect of Protonation. Inorganic Chemistry, 2016, 55, 6929-6937.	4.0	15
89	Radical Clocks, Solvated Electrons, and Magnesium. Heterogeneous versus Homogeneous Electron Transfer. Selectivity at Interfaces. Journal of Physical Chemistry C, 2008, 112, 2545-2557.	3.1	14
90	Patterning Surfaces through Photografting of Iodonium Salts. Journal of Physical Chemistry C, 2018, 122, 19722-19730.	3.1	14

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91	Selective Metallization of Mg/NH3-Treated Teflon by Copper CVD. Chemical Vapor Deposition, 1999, 5, 185-190.	1.3	13
92	Solutions of solvated electrons in liquid ammonia. Journal of Electroanalytical Chemistry, 2001, 499, 144-151.	3.8	13
93	Alkyl halides reactions with cathodes or with magnesium. Grignard reagent studied with radical clocks. What is the step competing with the isomerisation of the intermediate radical?. Journal of Physical Organic Chemistry, 2006, 19, 847-866.	1.9	13
94	Managing Micrometric Sources of Solvated Electrons: Application to the Local Functionalization of Fluorinated Self-Assembled Monolayers. Chemistry of Materials, 2010, 22, 5725-5731.	6.7	13
95	Shearforce positioning of nanoprobe electrode arrays for scanning electrochemical microscopy experiments. Electrochimica Acta, 2015, 179, 45-56.	5.2	13
96	Electrochemistry of single nanoparticles: general discussion. Faraday Discussions, 2016, 193, 387-413.	3.2	13
97	Platinum Nanoparticle Impacts at a Liquid|Liquid Interface. Angewandte Chemie, 2017, 129, 13678-13682.	2.0	13
98	Light Driven Design of Dynamical Thermosensitive Plasmonic Superstructures: A Bottom-Up Approach Using Silver Supercrystals. ACS Nano, 2018, 12, 10833-10842.	14.6	13
99	Single LiBH4 nanocrystal stochastic impacts at a micro water|ionic liquid interface. Electrochimica Acta, 2019, 299, 222-230.	5.2	13
100	A microscopy technique that images single reaction events in total darkness. Nature, 2021, 596, 194-195.	27.8	13
101	Bridging the Gap between Single Nanoparticle Imaging and Global Electrochemical Response by Correlative Microscopy Assisted By Machine Vision. Small Methods, 2022, 6, .	8.6	13
102	Electrochemical Detection of Single Microbeads Manipulated by Optical Tweezers in the Vicinity of Ultramicroelectrodes. Analytical Chemistry, 2013, 85, 8902-8909.	6.5	12
103	Surface Functionalization of Metals by Alkyl Chains through a Radical Crossover Reaction. Langmuir, 2016, 32, 6335-6342.	3.5	12
104	Surface modification of halogenated polymers. 2. Chloro- and fluoropolymers. Polymer, 1998, 39, 4867-4873.	3.8	11
105	Electrografting of the cyanomethyl radical onto carbon and metal surfaces. Electrochimica Acta, 2011, 56, 1476-1484.	5.2	11
106	Immobilization of Magnetic Nanoparticles onto Conductive Surfaces Modified by Diazonium Chemistry. Langmuir, 2012, 28, 12671-12680.	3.5	11
107	Effect of the driving force on nanoparticles growth and shape: an opto-electrochemical study. Nanoscale, 2020, 12, 3227-3235.	5.6	11
108	Wetting and surface properties of (modified) fluoro-silanised glass. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 307, 7-15.	4.7	10

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109	Electrochemically assisted micro localized grafting of aptamers in a microchannel engraved in fluorinated thermoplastic polymer Dyneon THV. RSC Advances, 2015, 5, 11128-11131.	3.6	10
110	Revealing the sub-50 ms electrochemical conversion of silver halide nanocolloids by stochastic electrochemistry and optical microscopy. Nanoscale, 2020, 12, 15128-15136.	5.6	10
111	Photochemical Grafting and Patterning of Metallic Surfaces by Organic Layers Derived from Acetonitrile. Chemistry of Materials, 2011, 23, 3449-3459.	6.7	9
112	Surface modification by electrochemical reduction of alkyldiazonium salts. Electrochemistry Communications, 2016, 68, 5-9.	4.7	9
113	Probing the Activity of Iron Peroxo Porphyrin Intermediates in the Reaction Layer during the Electrochemical Reductive Activation of O₂. Angewandte Chemie - International Edition, 2020, 59, 16376-16380.	13.8	9
114	Identification of the electroelastic coupling from full multi-physical fields measured at the micrometre scale. Journal Physics D: Applied Physics, 2007, 40, 3314-3325.	2.8	8
115	Charge redistribution in electrochemically actuated mechanical sensors. Sensors and Actuators A: Physical, 2009, 152, 88-95.	4.1	8
116	Multiscale electrochemistry of hydrogels embedding conductive nanotubes. Chemical Science, 2015, 6, 3900-3905.	7.4	8
117	Single Nanoparticle Growth from Nanoparticle Tracking Analysis: From Monte Carlo Simulations to Nanoparticle Electrogeneration. ChemElectroChem, 2018, 5, 3036-3043.	3.4	8
118	Scanning Electrochemical Microscopy for the Electroless Deposition of Gold on Natural Pyrite: Effect of Ferric Ions. ChemElectroChem, 2019, 6, 779-786.	3.4	8
119	Cation Effects in the Reduction of Stilbenes in Liquid Ammonia. Journal of Physical Chemistry B, 2004, 108, 2756-2763.	2.6	7
120	Using Timeâ€Resolved Electrochemical Patterning to Gain Fundamental Insight into Arylâ€Radical Surface Modification. ChemPhysChem, 2012, 13, 3303-3307.	2.1	7
121	Two-step local functionalization of fluoropolymer Dyneon THV microfluidic materials by scanning electrochemical microscopy combined to click reaction. Electrochemistry Communications, 2015, 60, 5-8.	4.7	7
122	Combining Electrodeposition and Optical Microscopy for Probing Sizeâ€Dependent Singleâ€Nanoparticle Electrochemistry. Angewandte Chemie, 2018, 130, 12174-12178.	2.0	7
123	Electrocatalytic O₂ Activation by Fe Tetrakis(pentafluorophenyl)porphyrin in Acidic Organic Media. Evidence of High-Valent Fe Oxo Species. Inorganic Chemistry, 2020, 59, 11577-11583.	4.0	7
124	Nanoimpact Electrochemistry to Quantify the Transformation and Electrocatalytic Activity of Ni(OH)₂ Nanoparticles: Toward the Sizeâ€“Activity Relationship at High Throughput. Journal of Physical Chemistry Letters, 2022, 13, 5468-5473.	4.6	7
125	Multiple wavelength reflectance microscopy to study the multiphysical behavior of microelectromechanical systems. Optics Letters, 2011, 36, 594.	3.3	6
126	Indirect electrografting of aryl iodides. Electrochemistry Communications, 2019, 98, 119-123.	4.7	6

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127	Electrografting of methylamine through Câ€“H activation or oxidation to give highly aminated surfaces. Electrochimica Acta, 2020, 345, 136170.	5.2	6
128	Probing the reactive intermediate species generated during electrocatalysis by scanning electrochemical microscopy. Current Opinion in Electrochemistry, 2022, 35, 101071.	4.8	6
129	Structural Effects in Radical Clocks and Mechanisms of Grignard Reagent Formation: Special Effect of a Phenyl Substituent in a Radical Clock when the Crossroads of Selectivity is at a Metal/Solution Interface. European Journal of Organic Chemistry, 2009, 2009, 2775-2787.	2.4	5
130	Optoelektrochemische Inâ€situâ€Beobachtung der kathodischen Abscheidung einzelner Cobaltnanopartikel. Angewandte Chemie, 2017, 129, 10734-10737.	2.0	5
131	Hydrogenation versus hydrogenolysis with a safe, selective and reusable catalyst: palladium black on TeflonÂ®. New Journal of Chemistry, 2005, 29, 761.	2.8	4
132	Phynox Improved Corrosion Resistance with MPC Initiated from Mixed Monolayers of Phosphonic Acids. Journal of the Electrochemical Society, 2014, 161, C544-C549.	2.9	4
133	From single cells to single molecules: general discussion. Faraday Discussions, 2016, 193, 141-170.	3.2	4
134	Editorial: Innovative Methods in Electrochemistry.Seeing electrochemistry with new eyes. Current Opinion in Electrochemistry, 2017, 6, 1-3.	4.8	4
135	Dynamics of nanointerfaces: general discussion. Faraday Discussions, 2018, 210, 451-479.	3.2	4
136	Direct vs Indirect Grafting of Alkyl and Aryl Halides. ChemPhysChem, 2021, 22, 1844-1849.	2.1	4
137	Spontaneous grafting of iron surfaces by reduction of aryldiazonium salts in acidic water. Applications to the inhibition of iron corrosion. , 2006, , 697-702.		4
138	Single-step selective metallization of Mg/NH3 pretreated TeflonÂ® by copper chemical vapor deposition. Microelectronic Engineering, 2000, 50, 383-390.	2.4	3
139	Scanning Electrochemical Microscopy Monitoring in Microcantilever Platforms.. Analytical Chemistry, 2012, 84, 7449-7455.	6.5	3
140	Processes at nanopores and bio-nanointerfaces: general discussion. Faraday Discussions, 2018, 210, 145-171.	3.2	3
141	Operando analysis of the electrosynthesis of Ag2O nanocubes by scanning electrochemical microscopy. Electrochemistry Communications, 2021, 124, 106950.	4.7	3
142	Surface modification of halogenated polymers. 6. Graft copolymerization of poly(tetrafluoroethylene) surfaces by polyacrylic acid. Polymer, 2004, 45, 4669-4669.	3.8	2
143	Surface Mechanics and Full-field Measurements for Micromechanical Sensors. Procedia IUTAM, 2012, 4, 7-14.	1.2	1
144	Nanopores: general discussion. Faraday Discussions, 2016, 193, 507-531.	3.2	1

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145	Calibration procedures for quantitative multiple wavelengths reflectance microscopy. Review of Scientific Instruments, 2016, 87, 013702.	1.3	1
146	Reactions at the nanoscale: general discussion. Faraday Discussions, 2016, 193, 265-292.	3.2	1
147	Processes at nanoelectrodes: general discussion. Faraday Discussions, 2018, 210, 235-265.	3.2	1
148	Deciphering Competitive Routes for Nickelâ€Based Nanoparticle Electrodeposition by an Operando Optical Monitoring. Angewandte Chemie, 2021, 133, 17117-17120.	2.0	1
149	Hydrogenation versus Hydrogenolysis with a Safe, Selective and Reusable Catalyst: Palladium Black on Teflon.. ChemInform, 2005, 36, no.	0.0	0
150	Electro-elastic coupling modelling from multiple wavelengths imaging microscopy. EPJ Web of Conferences, 2010, 6, 37001.	0.3	0
151	Energy conversion at nanointerfaces: general discussion. Faraday Discussions, 2018, 210, 333-351.	3.2	0
152	Probing the Activity of Iron Peroxo Porphyrin Intermediates in the Reaction Layer during the Electrochemical Reductive Activation of O 2. Angewandte Chemie, 2020, 132, 16518.	2.0	0
153	Influence of lift forces on particle capture on a functionalized surface. Microfluidics and Nanofluidics, 2021, 25, 1.	2.2	0
154	Holographic Superlocalization of Individual Silver Nanoparticle Impacts in Micro-electrochemical Cells. , 2016, , .		0
155	Holography-based tracking spectroscopy to study galvanic exchange on single silver nanoparticles. , 2019, , .		0
156	The Potentiality of Optics in Correlative Microscopies Strategies for In situ Nanoscale Probing of Electrochemical Processes. Microscopy and Microanalysis, 2021, 27, 51-52.	0.4	0
157	Micrometrically Controlled Surface Modification of Teflon by Redox Catalysis: Electrochemical Coupling between Teflon and a Gold Band Ultramicroelectrode. Chemistry - A European Journal, 2000, 6, 820-835.	3.3	0