

Frank Marken

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.

542
papers

14,986
citations

57
h-index

91
g-index

579
ext. papers

16,098
ext. citations

5.2
avg, IF

6.52
L-index

#	Paper	IF	Citations
542	Nanostructuring Electrode Surfaces and Hydrogels for Enhanced Thermocapacitance. <i>ACS Applied Nano Materials</i> , 2022 , 5, 438-445	5.6	0
541	Polymers of intrinsic microporosity (PIMs) in sensing and in electroanalysis. <i>Current Opinion in Chemical Engineering</i> , 2022 , 35, 100765	5.4	1
540	Crosslinked xylose-based polyester as a bio-derived and degradable solid polymer electrolyte for Li ⁺ -ion conduction. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 6796-6808	13	2
539	Electrochemical sensors based on metal nanoparticles with biocatalytic activity.. <i>Mikrochimica Acta</i> , 2022 , 189, 172	5.8	5
538	Hydrogen Peroxide Versus Hydrogen Generation at Bipolar Pd/Au Nano-catalysts Grown into an Intrinsically Microporous Polyamine (PIM-EA-TB). <i>Electrocatalysis</i> , 2021 , 12, 771-784	2.7	0
537	Microscale Ionic Diodes: An Overview. <i>Electroanalysis</i> , 2021 , 33, 1398-1418	3	5
536	Recent Advances in Paired Electrosynthesis. <i>Chemical Record</i> , 2021 , 21, 2585-2600	6.6	9
535	Electrodeposition of tin onto a silver textile electrode for Barbier-type electro-organic synthesis of homoallylic alcohols. <i>Surfaces and Interfaces</i> , 2021 , 24, 101085	4.1	
534	Ionic Diode and Molecular Pump Phenomena Associated with Caffeic Acid Accumulated into an Intrinsically Microporous Polyamine (PIM-EA-TB). <i>ChemElectroChem</i> , 2021 , 8, 2044-2051	4.3	3
533	Size-Selective Photoelectrochemical Reactions in Microporous Environments: Clark Probe Investigation of Pt@g-C ₃ N ₄ Embedded into Intrinsically Microporous Polymer (PIM-1). <i>ChemElectroChem</i> , 2021 , 8, 3499-3505	4.3	2
532	The influence of metallic Bi in BiVO ₄ semiconductor for artificial photosynthesis. <i>Journal of Alloys and Compounds</i> , 2021 , 851, 156912	5.7	12
531	Atomic scale surface modification of TiO ₂ 3D nano-arrays: plasma enhanced atomic layer deposition of NiO for photocatalysis. <i>Materials Advances</i> , 2021 , 2, 273-279	3.3	1
530	Photo-Chlorine Production with Hydrothermally Grown and Vacuum-Annealed Nanocrystalline Rutile. <i>Electrocatalysis</i> , 2021 , 12, 65-77	2.7	0
529	Hematite photoelectrodes grown on porous CuO/B ₂ O ₅ /SnO ₂ ceramics for photoelectrochemical water splitting. <i>Solar Energy Materials and Solar Cells</i> , 2021 , 221, 110886	6.4	4
528	Semiconductor photoelectroanalysis and photobioelectroanalysis: A perspective. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 135, 116154	14.6	1
527	Indirect Formic Acid Fuel Cell Based on a Palladium or Palladium-Alloy Film Separating the Fuel Reaction and Electricity Generation. <i>ChemElectroChem</i> , 2021 , 8, 378-385	4.3	2
526	Utilization of a Pt(II) di-yne chromophore incorporating a 2,2'-bipyridine-5,5'-diyl spacer as a chelate to synthesize a green and red emitting d-f-d heterotrinary complex. <i>Dalton Transactions</i> , 2021 , 50, 1465-1477	4.3	8

525	Electrochemically Induced Mesomorphism Switching in a Chlorpromazine Hydrochloride Lyotropic Liquid Crystal. <i>ACS Omega</i> , 2021 , 6, 4630-4640	3.9	0
524	Non-enzymatic electrochemical cholesterol sensor based on strong host-guest interactions with a polymer of intrinsic microporosity (PIM) with DFT study. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 6523-6533	4.4	3
523	Effective electroosmotic transport of water in an intrinsically microporous polyamine (PIM-EA-TB). <i>Electrochemistry Communications</i> , 2021 , 130, 107110	5.1	0
522	Novel hierarchical structure of MoS ₂ /TiO ₂ /Ti ₃ C ₂ T _x composites for dramatically enhanced electromagnetic absorbing properties. <i>Journal of Advanced Ceramics</i> , 2021 , 10, 1042	10.7	13
521	Catechin or quercetin guests in an intrinsically microporous polyamine (PIM-EA-TB) host: accumulation, reactivity, and release.. <i>RSC Advances</i> , 2021 , 11, 27432-27442	3.7	1
520	Graphene oxide and starch gel as a hybrid binder for environmentally friendly high-performance supercapacitors. <i>Communications Chemistry</i> , 2021 , 4,	6.3	2
519	Covalently Linked PolyoxometalatePolypyrrole Hybrids: Electropolymer Materials with Dual-Mode Enhanced Capacitive Energy Storage. <i>Macromolecules</i> , 2020 , 53, 11120-11129	5.5	3
518	Future challenges in electrochemistry: linking membrane-based solar energy conversion mechanisms to water harvesting. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 2137-2140	2.6	
517	Indirect photo-electrochemical detection of carbohydrates with Pt@g-CN immobilised into a polymer of intrinsic microporosity (PIM-1) and attached to a palladium hydrogen capture membrane. <i>Bioelectrochemistry</i> , 2020 , 134, 107499	5.6	7
516	ReviewThe Development of Wearable Polymer-Based Sensors: Perspectives. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 037566	3.9	35
515	An AC-driven desalination/salination system based on a Nafion cationic rectifier. <i>Desalination</i> , 2020 , 480, 114351	10.3	10
514	Voltammetric detection of vitamin B1 (thiamine) in neutral solution at a glassy carbon electrode via in situ pH modulation. <i>Analyst, The</i> , 2020 , 145, 1903-1909	5	3
513	The immobilisation and reactivity of Fe(CN) ₆ ^{3-/4-} in an intrinsically microporous polyamine (PIM-EA-TB). <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 2797-2806	2.6	6
512	Bacteriophage M13 Aggregation on a Microhole Poly(ethylene terephthalate) Substrate Produces an Anionic Current Rectifier: Sensitivity toward Anionic versus Cationic Guests.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 512-521	4.1	6
511	Switching Anionic and Cationic Semipermeability in Partially Hydrolyzed Polyacrylonitrile: A pH-Tunable Ionic Rectifier. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 3214-3224	9.5	9
510	Voltammetric monitoring of a solid-liquid phase transition in N,N,N',N'-tetraoctyl-2,6-diamino-9,10-anthraquinone (TODAQ). <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 11-16	2.6	
509	Linking the Cu(II/I) and the Ni(IV/II) Potentials to Subsequent Passive Film Breakdown for a CuNi Alloy in Aqueous 0.5 M NaCl. <i>ChemElectroChem</i> , 2020 , 7, 195-200	4.3	
508	A BiVO ₄ photoanode grown on porous and conductive SnO ₂ ceramics for water splitting driven by solar energy. <i>Ceramics International</i> , 2020 , 46, 9040-9049	5.1	9

507	CRP-binding bacteriophage as a new element of layer-by-layer assembly carbon nanofiber modified electrodes. <i>Bioelectrochemistry</i> , 2020 , 136, 107629	5.6	4
506	Surface modified carbon nanomats provide cationic and anionic rectifier membranes in aqueous electrolyte media. <i>Electrochimica Acta</i> , 2020 , 354, 136750	6.7	2
505	Polymer of intrinsic microporosity (PIM) films and membranes in electrochemical energy storage and conversion: A mini-review. <i>Electrochemistry Communications</i> , 2020 , 118, 106798	5.1	21
504	Direct and indirect light energy harvesting with films of ambiently deposited ZnO nanoparticles. <i>Applied Surface Science</i> , 2020 , 527, 146927	6.7	2
503	Unmasking the Latent Passivating Roles of Ni(OH) ₂ on the Performance of Pd/Ni Electrocatalysts for Alkaline Ethanol Fuel Cells. <i>ACS Applied Energy Materials</i> , 2020 , 3, 8786-8802	6.1	12
502	Rectification effects of Nafion-backed micropore-voltammograms by difference in migrational modes. <i>Electrochimica Acta</i> , 2020 , 358, 136839	6.7	6
501	Role of dissolved oxygen in nitroarene reduction by a heterogeneous silver textile catalyst in water. <i>New Journal of Chemistry</i> , 2020 , 44, 17780-17790	3.6	3
500	Photoelectroanalytical Oxygen Detection with Titanate Nanosheet [Platinum Hybrids Immobilised into a Polymer of Intrinsic Microporosity (PIM-1)]. <i>Electroanalysis</i> , 2020 , 32, 2756-2763	3	4
499	Effects of dissolved gases on partial anodic passivation phenomena at copper microelectrodes immersed in aqueous NaCl. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 872, 113589	4.1	1
498	Indirect (hydrogen-driven) electrodeposition of porous silver onto a palladium membrane. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 2789-2796	2.6	1
497	Ferrocene-Containing Polycarbosilazanes via the Alkaline-Earth-Catalyzed Dehydrocoupling of Silanes and Amines. <i>Organometallics</i> , 2019 , 38, 3629-3648	3.8	14
496	Carbon-based quantum particles: an electroanalytical and biomedical perspective. <i>Chemical Society Reviews</i> , 2019 , 48, 4281-4316	58.5	119
495	Polymers of Intrinsic Microporosity in Triphasic Electrochemistry: Perspectives. <i>ChemElectroChem</i> , 2019 , 6, 4332-4342	4.3	8
494	Carbon Nanofibers Provide a Cationic Rectifier Material: Specific Electrolyte Effects, Bipolar Reactivity, and Prospect for Desalination. <i>ChemElectroChem</i> , 2019 , 6, 3145-3153	4.3	6
493	Voltammetric characterisation of diferrocenylborinic acid in organic solution and in aqueous media when immobilised into a titanate nanosheet film. <i>Dalton Transactions</i> , 2019 , 48, 11200-11207	4.3	1
492	Utilization of Ternary Europium Complex for Organic Electroluminescent Devices and as a Sensitizer to Improve Electroluminescence of Red-Emitting Iridium Complex. <i>Inorganic Chemistry</i> , 2019 , 58, 8316-8331	5.1	23
491	Extraction of hydrophobic analytes from organic solution into a titanate 2D-nanosheet host: Electroanalytical perspectives. <i>Analytica Chimica Acta: X</i> , 2019 , 1, 100001	2.2	3
490	Processes associated with ionic current rectification at a 2D-titanate nanosheet deposit on a microhole poly(ethylene terephthalate) substrate. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 1237-1248 ¹⁰	2.6	10

489	Success and failure in the incorporation of gold nanoparticles inside ferri/ferrocyanide thermogalvanic cells. <i>Electrochemistry Communications</i> , 2019 , 102, 41-45	5.1	22
488	Photoelectrochemistry of immobilised Pt@g-C ₃ N ₄ mediated by hydrogen and enhanced by a polymer of intrinsic microporosity PIM-1. <i>Electrochemistry Communications</i> , 2019 , 103, 1-6	5.1	11
487	Charge Transfer Hybrids of Graphene Oxide and the Intrinsically Microporous Polymer PIM-1. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 31191-31199	9.5	4
486	A hematite photoelectrode grown on porous and conductive SnO ₂ ceramics for solar-driven water splitting. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 19667-19675	6.7	10
485	Electrodes modified with bacteriophages and carbon nanofibres for cysteine detection. <i>Sensors and Actuators B: Chemical</i> , 2019 , 287, 78-85	8.5	19
484	Multiphase Methods in Organic Electrosynthesis. <i>Accounts of Chemical Research</i> , 2019 , 52, 3325-3338	24.3	19
483	Biphasic Voltammetry and Spectroelectrochemistry in Polymer of Intrinsic Microporosity@-(3-Phenylpropyl)-Pyridine Organogel/Aqueous Electrolyte Systems: Reactivity of MnPc Versus MnTPP. <i>Electrocatalysis</i> , 2019 , 10, 295-304	2.7	2
482	Pyro-electrolytic water splitting for hydrogen generation. <i>Nano Energy</i> , 2019 , 58, 183-191	17.1	29
481	Cationic Rectifier Based on a Graphene Oxide-Covered Microhole: Theory and Experiment. <i>Langmuir</i> , 2019 , 35, 2055-2065	4	17
480	Polymer of Intrinsic Microporosity (PIM-7) Coating Affects Triphasic Palladium Electrocatalysis. <i>ChemElectroChem</i> , 2019 , 6, 4307-4317	4.3	2
479	Triphasic Nature of Polymers of Intrinsic Microporosity Induces Storage and Catalysis Effects in Hydrogen and Oxygen Reactivity at Electrode Surfaces. <i>ChemElectroChem</i> , 2019 , 6, 252-259	4.3	16
478	Non-invasive, transdermal, path-selective and specific glucose monitoring via a graphene-based platform. <i>Nature Nanotechnology</i> , 2018 , 13, 504-511	28.7	166
477	Electrochemically Driven C-H Hydrogen Abstraction Processes with the Tetrachloro-Phthalimido-N-Oxyl (Cl ₄ PINO) Catalyst. <i>Electroanalysis</i> , 2018 , 30, 1706-1713	3	4
476	Galvanic exchange platinization reveals laser-inscribed pattern in 3D-LAM-printed steel. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 1755-1762	2.6	1
475	Cationic diodes by hot-pressing of Fumasep FKS-30 ionomer film onto a microhole in polyethylene terephthalate (PET). <i>Journal of Electroanalytical Chemistry</i> , 2018 , 815, 114-122	4.1	9
474	Ionic Transport in Microhole Fluidic Diodes Based on Asymmetric Ionomer Film Deposits. <i>ChemElectroChem</i> , 2018 , 5, 897-901	4.3	19
473	pH effects on molecular hydrogen storage in porous organic cages deposited onto platinum electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 819, 46-50	4.1	3
472	Nano- and micro-gap electrochemical transducers: Novel benchtop fabrication techniques and electrical migration effects. <i>Current Opinion in Electrochemistry</i> , 2018 , 7, 15-21	7.2	4

471	Generator/Collector electrochemical sensor configurations based on track-Etch membrane separated platinum leaves. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 2904-2909	8.5	1
470	Continuous low temperature synthesis of MAPbX ₃ perovskite nanocrystals in a flow reactor. <i>Reaction Chemistry and Engineering</i> , 2018 , 3, 640-644	4.9	31
469	Platinum Nanoparticle Inclusion into a Carbonized Polymer of Intrinsic Microporosity: Electrochemical Characteristics of a Catalyst for Electroless Hydrogen Peroxide Production. <i>Nanomaterials</i> , 2018 , 8,	5.4	5
468	Residual Energy Harvesting From Light Transients Using Hematite as an Intrinsic Photocapacitor in a Symmetrical Cell. <i>ACS Applied Energy Materials</i> , 2018 , 1, 38-42	6.1	5
467	Linking the Cu(II/I) potential to the onset of dynamic phenomena at corroding copper microelectrodes immersed in aqueous 0.5 M NaCl. <i>Electrochimica Acta</i> , 2018 , 260, 348-357	6.7	9
466	One-step preparation of microporous Pd@cPIM composite catalyst film for triphasic electrocatalysis. <i>Electrochemistry Communications</i> , 2018 , 86, 17-20	5.1	10
465	Electroanalysis in 2D-TiO ₂ Nanosheet Hosts: Electrolyte and Selectivity Effects in Ferroceneboronic Acid Saccharide Binding. <i>Electroanalysis</i> , 2018 , 30, 1303-1310	3	9
464	The thermoelectrochemistry of the aqueous iron(II)/iron(III) redox couple: significance of the anion and pH in thermogalvanic thermal-to-electrical energy conversion. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 2717-2726	5.8	39
463	Dicopper(I) Complexes Incorporating Acetylide-Functionalized Pyridinyl-Based Ligands: Synthesis, Structural, and Photovoltaic Studies. <i>Inorganic Chemistry</i> , 2018 , 57, 12113-12124	5.1	16
462	Electrochemical and Kinetic Insights into Molecular Water Oxidation Catalysts Derived from Cp*Ir(pyridine-alkoxide) Complexes. <i>ChemCatChem</i> , 2018 , 10, 4280-4291	5.2	15
461	Contrasting transient photocurrent characteristics for thin films of vacuum-doped Grey TiO ₂ and Grey Nb ₂ O ₅ . <i>Applied Catalysis B: Environmental</i> , 2018 , 237, 339-352	21.8	12
460	Voltammetric characteristics of hydrous Fe(III) oxide embedded into Nafion and immobilised onto a screen-printed carbon electrode: binding of arsenate versus phosphate. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 3059-3067	2.6	1
459	Enhancing activity in a nanostructured BiVO ₄ photoanode with a coating of microporous Al ₂ O ₃ . <i>Applied Catalysis B: Environmental</i> , 2017 , 200, 133-140	21.8	19
458	Electrothermal Annealing of Catalytic Platinum Microwire Electrodes: Towards Membrane-Free pH 7 Glucose Micro-Fuel Cells. <i>Electroanalysis</i> , 2017 , 29, 38-44	3	5
457	Dual-Plate Gold-Gold Microtrench Electrodes for Generator-Collector Voltammetry without Supporting Electrolyte. <i>Electrochimica Acta</i> , 2017 , 224, 487-495	6.7	5
456	Ionic Diodes Based on Regenerated Cellulose Films Deposited Asymmetrically onto a Microhole. <i>ChemistrySelect</i> , 2017 , 2, 871-875	1.8	7
455	Reaction-based indicator displacement assay (RIA) for the colorimetric and fluorometric detection of hydrogen peroxide. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 1058-1062	5.2	18
454	Free-Standing Phytantriol Q224 Cubic-Phase Films: Resistivity Monitoring and Switching. <i>ChemElectroChem</i> , 2017 , 4, 1172-1180	4.3	9

453	Vacuum-annealing induces sub-surface redox-states in surfactant-structured β -Fe ₂ O ₃ photoanodes prepared by ink-jet printing. <i>Applied Catalysis B: Environmental</i> , 2017 , 211, 289-295	21.8	14
452	Confining Nanopore Bipolar Electrochemical Processes to Give Pattern in Space and Time. <i>ChemElectroChem</i> , 2017 , 4, 2137-2139	4.3	2
451	Redox reactivity at silver microparticle/glassy carbon contacts under a coating of polymer of intrinsic microporosity (PIM). <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 2141-2146	2.6	10
450	Microwave-Electrochemical Deposition of a Fe-Co Alloy with Catalytic Ability in Hydrogen Evolution. <i>Electrochimica Acta</i> , 2017 , 235, 480-487	6.7	13
449	A Cationic Diode Based on Asymmetric Nafion Film Deposits. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11272-11278	9.5	32
448	Bacteriophages-Carbon Nanofibre Modified Electrodes for Biosensing Applications. <i>Proceedings (mdpi)</i> , 2017 , 1, 764	0.3	
447	Cellulose ionics: switching ionic diode responses by surface charge in reconstituted cellulose films. <i>Analyst, The</i> , 2017 , 142, 3707-3714	5	12
446	Ionic Diode Characteristics at a Polymer of Intrinsic Microporosity (PIM) Nafion Heterojunction Deposit on a Microhole Poly(ethylene-terephthalate) Substrate. <i>Electroanalysis</i> , 2017 , 29, 2217-2223	3	6
445	Voltammetric Chloride Sensing Based on Trace-Level Mercury Impregnation Into Amine-Functionalized Carbon Nanoparticle Films. <i>IEEE Sensors Journal</i> , 2017 , 17, 5437-5443	4	5
444	Highly conductive nano-silver textile for sensing hydrogen peroxide. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 799, 473-480	4.1	13
443	Carbonization of polymers of intrinsic microporosity to microporous heterocarbon: Capacitive pH measurements. <i>Applied Materials Today</i> , 2017 , 9, 136-144	6.6	10
442	High-Utilisation Nanoplatinum Catalyst (Pt@cPIM) Obtained via Vacuum Carbonisation in a Molecularly Rigid Polymer of Intrinsic Microporosity. <i>Electrocatalysis</i> , 2017 , 8, 132-143	2.7	10
441	Potassium cation induced ionic diode blocking for a polymer of intrinsic microporosity nafion Heterojunction on a microhole substrate. <i>Electrochimica Acta</i> , 2017 , 258, 807-813	6.7	15
440	Photoanodes on titanium substrates: one-step deposited BiVO ₄ versus two-step nano-V ₂ O ₅ films impregnated with Bi ³⁺ . <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 273-283	2.6	3
439	A Modular Bioplatfom Based on a Versatile Supramolecular Multienzyme Complex Directly Attached to Graphene. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 21077-88	9.5	11
438	Modified Filamentous Bacteriophage as a Scaffold for Carbon Nanofiber. <i>Bioconjugate Chemistry</i> , 2016 , 27, 2900-2910	6.3	11
437	All-Polystyrene 3D-Printed Electrochemical Device with Embedded Carbon Nanofiber-Graphite-Polystyrene Composite Conductor. <i>Electroanalysis</i> , 2016 , 28, 1517-1523	3	111
436	pH-induced reversal of ionic diode polarity in 300nm thin membranes based on a polymer of intrinsic microporosity. <i>Electrochemistry Communications</i> , 2016 , 69, 41-45	5.1	25

435	Nanostructured heated gold electrodes for DNA hybridization detection using enzyme labels. <i>Sensors and Actuators B: Chemical</i> , 2016 , 233, 502-509	8.5	5
434	Fuel cell anode catalyst performance can be stabilized with a molecularly rigid film of polymers of intrinsic microporosity (PIM). <i>RSC Advances</i> , 2016 , 6, 9315-9319	3.7	13
433	Theory of unsupported, steady-state, Nernstian, three-ion, twin-electrode, voltammetry: the special case of dual concentration polarization. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 3083-3095	3.6	3
432	Synthesis and characterization of porous carbon-MoS nanohybrid materials: electrocatalytic performance towards selected biomolecules. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 1448-1457	7.3	20
431	Ion flow in a zeolitic imidazolate framework results in ionic diode phenomena. <i>Chemical Communications</i> , 2016 , 52, 2792-4	5.8	21
430	In situ microwave-enhanced electrochemical reactions at stainless steel: Nano-iron for aqueous pollutant degradation. <i>Electrochemistry Communications</i> , 2016 , 62, 48-51	5.1	5
429	Polymers of intrinsic microporosity in electrochemistry: Anion uptake and transport effects in thin film electrodes and in free-standing ionic diode membranes. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 779, 241-249	4.1	16
428	An investigation of electrochemical contact processes for silver-wire glassy carbon and silver-coated cotton textile glassy carbon. <i>New Journal of Chemistry</i> , 2016 , 40, 2814-2822	3.6	5
427	Hydrodynamic Voltammetry at a Rocking Disc Electrode: Theory versus Experiment. <i>Electrochimica Acta</i> , 2016 , 188, 837-844	6.7	7
426	Polymer of Intrinsic Microporosity Induces Host-Guest Substrate Selectivity in Heterogeneous 4-Benzoyloxy-TEMPO-Catalysed Alcohol Oxidations. <i>Electrocatalysis</i> , 2016 , 7, 70-78	2.7	13
425	Fabrication of a Horizontal and a Vertical Large Surface Area Nanogap Electrochemical Sensor. <i>Sensors</i> , 2016 , 16,	3.8	5
424	Generator-collector Voltammetry at Dual-plate Gold-gold Microtrench Electrodes as Diagnostic Tool in Ionic Liquids. <i>Electroanalysis</i> , 2016 , 28, 1068-1076	3	3
423	Residual Porosity of 3D-LAM-Printed Stainless-Steel Electrodes Allows Galvanic Exchange Platinisation. <i>ChemElectroChem</i> , 2016 , 3, 1020-1025	4.3	7
422	Hydrodynamic Rocking Disc Electrode Study of the TEMPO-mediated Catalytic Oxidation of Primary Alcohols. <i>Electroanalysis</i> , 2016 , 28, 2093-2103	3	6
421	Estimation of Energy Levels of Self-assembled Ferrocenyls and Investigation of Charge-driven Electro-crystallization of Ferricenyl Materials. <i>Energy Procedia</i> , 2016 , 100, 149-154	2.3	2
420	Reagentless Electrochemiluminescence from a Nanoparticulate Polymer of Intrinsic Microporosity (PIM-1) Immobilized onto Tin-Doped Indium Oxide. <i>ChemElectroChem</i> , 2016 , 3, 2160-2164	4.3	5
419	Metal@MOF Materials in Electroanalysis: Silver-Enhanced Oxidation Reactivity Towards Nitrophenols Adsorbed into a Zinc Metal Organic Framework@Ag@MOF-5(Zn). <i>Electrochimica Acta</i> , 2016 , 219, 482-491	6.7	44
418	Hydrophobicity effects in iron polypyridyl complex electrocatalysis within Nafion thin-film electrodes. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 23365-73	3.6	4

4 ¹⁷	Molecularly Rigid Microporous Polyamine Captures and Stabilizes Conducting Platinum Nanoparticle Networks. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22425-30	9.5	10
4 ¹⁶	Photoelectrocatalytic properties of BiVO ₄ prepared with different alcohol solvents. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 17380-17389	6.7	11
4 ¹⁵	Aerosol-Assisted CVD of Bismuth Vanadate Thin Films and Their Photoelectrochemical Properties. <i>Chemical Vapor Deposition</i> , 2015 , 21, 41-45		39
4 ¹⁴	Ferrocene-Boronic Acid-Fructose Binding Based on Dual-Plate Generator-Collector Voltammetry and Square-Wave Voltammetry. <i>ChemElectroChem</i> , 2015 , 2, 867-871	4.3	5
4 ¹³	Solid-solid EC TEMPO-electrocatalytic conversion of diphenylcarbinol to benzophenone. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 1277-1283	2.6	2
4 ¹²	Intrinsically microporous polymer slows down fuel cell catalyst corrosion. <i>Electrochemistry Communications</i> , 2015 , 59, 72-76	5.1	23
4 ¹¹	Interfacial electron-shuttling processes across KolliphorEL monolayer grafted electrodes. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 15458-65	9.5	9
4 ¹⁰	Water desalination concept using an ionic rectifier based on a polymer of intrinsic microporosity (PIM). <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15849-15853	13	45
4 ⁰⁹	Sub-stoichiometric functionally graded titania fibres for water-splitting applications. <i>Journal of Semiconductors</i> , 2015 , 36, 063001	2.3	1
4 ⁰⁸	Mesoporous Nickel/Nickel Hydroxide Catalyst Using Liquid Crystal Template for Ethanol Oxidation in Alkaline Solution. <i>Journal of the Electrochemical Society</i> , 2015 , 162, H453-H459	3.9	26
4 ⁰⁷	Intrinsically Microporous Polymer Retains Porosity in Vacuum Thermolysis to Electroactive Heterocarbon. <i>Langmuir</i> , 2015 , 31, 12300-6	4	21
4 ⁰⁶	New application for the BiVO ₄ photoanode: A photoelectroanalytical sensor for nitrite. <i>Electrochemistry Communications</i> , 2015 , 61, 1-4	5.1	37
4 ⁰⁵	Electrochemical sensing using boronic acids. <i>Chemical Communications</i> , 2015 , 51, 14562-73	5.8	63
4 ⁰⁴	Polymers of intrinsic microporosity as high temperature templates for the formation of nanofibrous oxides. <i>RSC Advances</i> , 2015 , 5, 73323-73326	3.7	17
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4 ⁰⁰	Carbon Microsphere [Polystyrene Composite Electrode for Three-Phase Boundary Oil Analysis: Quinizarin in Methylaurate. <i>Electroanalysis</i> , 2015 , 27, 1043-1049	3	

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