

Frank Marken

List of Publications by Year in descending order

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555
papers

17,836
citations

18482

62
h-index

32842

100
g-index

582
all docs

582
docs citations

582
times ranked

15110
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymers of intrinsic microporosity (PIMs) in sensing and in electroanalysis. <i>Current Opinion in Chemical Engineering</i> , 2022, 35, 100765.	7.8	10
2	Polymer indicator displacement assay: electrochemical glucose monitoring based on boronic acid receptors and graphene foam competitively binding with poly-nordihydroguaiaretic acid. <i>Analyst</i> , The, 2022, 147, 661-670.	3.5	3
3	Nanostructuring Electrode Surfaces and Hydrogels for Enhanced Thermocapacitance. <i>ACS Applied Nano Materials</i> , 2022, 5, 438-445.	5.0	4
4	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.	10.3	11
5	TiO ₂ nanocrystal rods on titanium microwires: growth, vacuum annealing, and photoelectrochemical oxygen evolution. <i>New Journal of Chemistry</i> , 2022, 46, 8385-8392.	2.8	2
6	Foam Synthesis of Nickel/Nickel (II) Hydroxide Nanoflakes Using Double Templates of Surfactant Liquid Crystal and Hydrogen Bubbles: A High-Performance Catalyst for Methanol Electrooxidation in Alkaline Solution. <i>Nanomaterials</i> , 2022, 12, 879.	4.1	5
7	Electrochemical sensors based on metal nanoparticles with biocatalytic activity. <i>Mikrochimica Acta</i> , 2022, 189, 172.	5.0	35
8	Effects of g-C ₃ N ₄ Heterogenization into Intrinsically Microporous Polymers on the Photocatalytic Generation of Hydrogen Peroxide. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 19938-19948.	8.0	17
9	Current Insight into 3D Printing in Solid-State Lithium-Ion Batteries: A Perspective. <i>Batteries and Supercaps</i> , 2022, 5, .	4.7	19
10	Ionic diode desalination: Combining cationic Nafion [®] and anionic Sustainion [®] rectifiers. <i>Micro and Nano Engineering</i> , 2022, 16, 100157.	2.9	6
11	The influence of metallic Bi in BiVO ₄ semiconductor for artificial photosynthesis. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156912.	5.5	19
12	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.	5.4	4
13	Photo-Chlorine Production with Hydrothermally Grown and Vacuum-Annealed Nanocrystalline Rutile. <i>Electrocatalysis</i> , 2021, 12, 65-77.	3.0	5
14	Hematite photoelectrodes grown on porous CuO/Sb ₂ O ₅ /SnO ₂ ceramics for photoelectrochemical water splitting. <i>Solar Energy Materials and Solar Cells</i> , 2021, 221, 110886.	6.2	7
15	Semiconductor photoelectroanalysis and photobioelectroanalysis: A perspective. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 135, 116154.	11.4	9
16	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.	3.4	8
17	Utilization of a Pt(<i>ii</i>) di-yne chromophore incorporating a 2,2'-bipyridine-5,5'-diyl spacer as a chelate to synthesize a green and red emitting d ^f heterotrinnuclear complex. <i>Dalton Transactions</i> , 2021, 50, 1465-1477.	3.3	16
18	Electrochemically Induced Mesomorphism Switching in a Chlorpromazine Hydrochloride Lyotropic Liquid Crystal. <i>ACS Omega</i> , 2021, 6, 4630-4640.	3.5	1

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19	Microscale Ionic Diodes: An Overview. <i>Electroanalysis</i> , 2021, 33, 1398-1418.	2.9	15
20	Recent Advances in Paired Electrosynthesis. <i>Chemical Record</i> , 2021, 21, 2585-2600.	5.8	46
21	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.	3.0	0
22	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.	3.4	7
23	Size-Selective Photoelectrochemical Reactions in Microporous Environments: Clark Probe Investigation of Pt@ C_{3N_4} Embedded into Intrinsically Microporous Polymer (PIM-1). <i>ChemElectroChem</i> , 2021, 8, 3499-3505.	3.4	6
24	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.	3.7	7
25	Thermogalvanic and Thermocapacitive Behavior of Superabsorbent Hydrogels for Combined Low-Temperature Thermal Energy Conversion and Harvesting. <i>ACS Applied Energy Materials</i> , 2021, 4, 11204-11214.	5.1	21
26	Effective electroosmotic transport of water in an intrinsically microporous polyamine (PIM-EA-TB). <i>Electrochemistry Communications</i> , 2021, 130, 107110.	4.7	5
27	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, 1042-1051.	17.4	96
28	Solvent-controlled O ₂ diffusion enables air-tolerant solar hydrogen generation. <i>Energy and Environmental Science</i> , 2021, 14, 5523-5529.	30.8	6
29	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.	3.6	4
30	Polymers of Intrinsic Microporosity in the Design of Electrochemical Multicomponent and Multiphase Interfaces. <i>Analytical Chemistry</i> , 2021, 93, 1213-1220.	6.5	19
31	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.	3.0	3
32	Graphene oxide and starch gel as a hybrid binder for environmentally friendly high-performance supercapacitors. <i>Communications Chemistry</i> , 2021, 4, .	4.5	16
33	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.	3.8	3
34	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.	4.6	11
35	Switching Anionic and Cationic Semipermeability in Partially Hydrolyzed Polyacrylonitrile: A pH-Tunable Ionic Rectifier. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 3214-3224.	8.0	13
36	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.	2.5	0

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37	Linking the Cu(II/I) and the Ni(IV/II) Potentials to Subsequent Passive Film Breakdown for a Cu [~] Ni Alloy in Aqueous 0.5 M NaCl. <i>ChemElectroChem</i> , 2020, 7, 195-200.	3.4	2
38	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.	4.8	14
39	CRP-binding bacteriophage as a new element of layer-by-layer assembly carbon nanofiber modified electrodes. <i>Bioelectrochemistry</i> , 2020, 136, 107629.	4.6	10
40	Surface modified carbon nanomats provide cationic and anionic rectifier membranes in aqueous electrolyte media. <i>Electrochimica Acta</i> , 2020, 354, 136750.	5.2	5
41	Polymer of intrinsic microporosity (PIM) films and membranes in electrochemical energy storage and conversion: A mini-review. <i>Electrochemistry Communications</i> , 2020, 118, 106798.	4.7	45
42	Direct and indirect light energy harvesting with films of ambiently deposited ZnO nanoparticles. <i>Applied Surface Science</i> , 2020, 527, 146927.	6.1	3
43	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.	5.1	31
44	Rectification effects of Nafion-backed micropore-voltammograms by difference in migrational modes. <i>Electrochimica Acta</i> , 2020, 358, 136839.	5.2	9
45	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.	2.8	7
46	Photoelectroanalytical Oxygen Detection with Titanate Nanosheet [~] Platinum Hybrids Immobilised into a Polymer of Intrinsic Microporosity (PIM [~]). <i>Electroanalysis</i> , 2020, 32, 2756-2763.	2.9	5
47	Covalently Linked Polyoxometalate [~] Polypyrrole Hybrids: Electropolymer Materials with Dual-Mode Enhanced Capacitive Energy Storage. <i>Macromolecules</i> , 2020, 53, 11120-11129.	4.8	12
48	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.	2.5	0
49	Indirect photo-electrochemical detection of carbohydrates with Pt@g-C ₃ N ₄ immobilised into a polymer of intrinsic microporosity (PIM-1) and attached to a palladium hydrogen capture membrane. <i>Bioelectrochemistry</i> , 2020, 134, 107499.	4.6	12
50	Review [~] The Development of Wearable Polymer-Based Sensors: Perspectives. <i>Journal of the Electrochemical Society</i> , 2020, 167, 037566.	2.9	76
51	An AC-driven desalination/salination system based on a Nafion cationic rectifier. <i>Desalination</i> , 2020, 480, 114351.	8.2	16
52	Voltammetric detection of vitamin B1 (thiamine) in neutral solution at a glassy carbon electrode <i><i>via in situ</i></i> pH modulation. <i>Analyst</i> , 2020, 145, 1903-1909.	3.5	10
53	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.	2.5	14
54	Indirect (hydrogen-driven) electrodeposition of porous silver onto a palladium membrane. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 2789-2796.	2.5	1

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55	Charge Transfer Hybrids of Graphene Oxide and the Intrinsically Microporous Polymer PIM-1. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31191-31199.	8.0	9
56	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.	7.1	16
57	Ferrocene-Containing Polycarbosilazanes via the Alkaline-Earth-Catalyzed Dehydrocoupling of Silanes and Amines. <i>Organometallics</i> , 2019, 38, 3629-3648.	2.3	26
58	Carbon-based quantum particles: an electroanalytical and biomedical perspective. <i>Chemical Society Reviews</i> , 2019, 48, 4281-4316.	38.1	187
59	Polymers of Intrinsic Microporosity in Triphasic Electrochemistry: Perspectives. <i>ChemElectroChem</i> , 2019, 6, 4332-4342.	3.4	25
60	Carbon Nanofibers Provide a Cationic Rectifier Material: Specific Electrolyte Effects, Bipolar Reactivity, and Prospect for Desalination. <i>ChemElectroChem</i> , 2019, 6, 3145-3153.	3.4	8
61	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.	3.3	2
62	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.	4.0	38
63	Extraction of hydrophobic analytes from organic solution into a titanate 2D-nanosheet host: Electroanalytical perspectives. <i>Analytica Chimica Acta: X</i> , 2019, 1, 100001.	1.0	3
64	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.	2.5	12
65	Success and failure in the incorporation of gold nanoparticles inside ferri/ferrocyanide thermogalvanic cells. <i>Electrochemistry Communications</i> , 2019, 102, 41-45.	4.7	29
66	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.	4.7	18
67	Electrodes modified with bacteriophages and carbon nanofibres for cysteine detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 287, 78-85.	7.8	24
68	Multiphase Methods in Organic Electrosynthesis. <i>Accounts of Chemical Research</i> , 2019, 52, 3325-3338.	15.6	25
69	Biphasic Voltammetry and Spectroelectrochemistry in Polymer of Intrinsic Microporosity@4-(3-Phenylpropyl)-Pyridine Organogel/Aqueous Electrolyte Systems: Reactivity of MnPc Versus MnTPP. <i>Electrocatalysis</i> , 2019, 10, 295-304.	3.0	4
70	Pyro-electrolytic water splitting for hydrogen generation. <i>Nano Energy</i> , 2019, 58, 183-191.	16.0	50
71	Cationic Rectifier Based on a Graphene Oxide-Covered Microhole: Theory and Experiment. <i>Langmuir</i> , 2019, 35, 2055-2065.	3.5	25
72	Polymer of Intrinsic Microporosity (PIM@7) Coating Affects Triphasic Palladium Electrocatalysis. <i>ChemElectroChem</i> , 2019, 6, 4307-4317.	3.4	9

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73	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.	3.4	30
74	Non-invasive, transdermal, path-selective and specific glucose monitoring via a graphene-based platform. <i>Nature Nanotechnology</i> , 2018, 13, 504-511.	31.5	242
75	Electrochemically Driven C ⁺ H Hydrogen Abstraction Processes with the Tetrachloro α -Phthalimido α -N α -Oxyl (Cl ₄ PINO) Catalyst. <i>Electroanalysis</i> , 2018, 30, 1706-1713.	2.9	6
76	Galvanic exchange platinization reveals laser-inscribed pattern in 3D-LAM-printed steel. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 1755-1762.	2.5	1
77	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.	3.8	10
78	Ionic Transport in Microhole Fluidic Diodes Based on Asymmetric Ionomer Film Deposits. <i>ChemElectroChem</i> , 2018, 5, 897-901.	3.4	30
79	pH effects on molecular hydrogen storage in porous organic cages deposited onto platinum electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2018, 819, 46-50.	3.8	5
80	Nano- and micro-gap electrochemical transducers: Novel benchtop fabrication techniques and electrical migration effects. <i>Current Opinion in Electrochemistry</i> , 2018, 7, 15-21.	4.8	4
81	Generator α -collector electrochemical sensor configurations based on track-Etch membrane separated platinum leaves. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2904-2909.	7.8	1
82	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.	5.1	5
83	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.	5.2	9
84	One-step preparation of microporous Pd@cPIM composite catalyst film for triphasic electrocatalysis. <i>Electrochemistry Communications</i> , 2018, 86, 17-20.	4.7	14
85	Electroanalysis in 2D α -TiO ₂ Nanosheet Hosts: Electrolyte and Selectivity Effects in Ferroceneboronic Acid α -Saccharide Binding. <i>Electroanalysis</i> , 2018, 30, 1303-1310.	2.9	10
86	In Situ Ultrasonic Dispersion in Multiphase Electrolysis Systems. <i>Electrochemical Society Interface</i> , 2018, 27, 59-62.	0.4	1
87	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.	4.9	75
88	Dicopper(I) Complexes Incorporating Acetylide-Functionalized Pyridinyl-Based Ligands: Synthesis, Structural, and Photovoltaic Studies. <i>Inorganic Chemistry</i> , 2018, 57, 12113-12124.	4.0	18
89	Electrochemical and Kinetic Insights into Molecular Water Oxidation Catalysts Derived from Cp*Ir(pyridine α -alkoxide) Complexes. <i>ChemCatChem</i> , 2018, 10, 4280-4291.	3.7	16
90	Contrasting transient photocurrent characteristics for thin films of vacuum-doped α -TiO ₂ and α -Nb ₂ O ₅ . <i>Applied Catalysis B: Environmental</i> , 2018, 237, 339-352.	20.2	21

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91	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.	2.5	2
92	Continuous low temperature synthesis of MAPbX ₃ perovskite nanocrystals in a flow reactor. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 640-644.	3.7	41
93	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, 542.	4.1	8
94	A happy couple. <i>Nature Catalysis</i> , 2018, 1, 484-485.	34.4	1
95	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.	20.2	26
96	Electrothermal Annealing of Catalytic Platinum Microwire Electrodes: Towards Membrane-Free pH...7 Glucose Micro-Fuel Cells. <i>Electroanalysis</i> , 2017, 29, 38-44.	2.9	6
97	Dual-Plate Gold-Gold Microtrench Electrodes for Generator-Collector Voltammetry without Supporting Electrolyte. <i>Electrochimica Acta</i> , 2017, 224, 487-495.	5.2	5
98	Ionic Diodes Based on Regenerated β -Cellulose Films Deposited Asymmetrically onto a Microhole. <i>ChemistrySelect</i> , 2017, 2, 871-875.	1.5	7
99	Reaction-based indicator displacement assay (RIA) for the colorimetric and fluorometric detection of hydrogen peroxide. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1058-1062.	4.5	25
100	Free-Standing Phytantriol Q ²²⁴ Cubic Phase Films: Resistivity Monitoring and Switching. <i>ChemElectroChem</i> , 2017, 4, 1172-1180.	3.4	11
101	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.	20.2	14
102	Confining Nanopore Bipolar Electrochemical Processes to Give Pattern in Space and Time. <i>ChemElectroChem</i> , 2017, 4, 2137-2139.	3.4	2
103	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.	2.5	13
104	Microwave-Electrochemical Deposition of a Fe-Co Alloy with Catalytic Ability in Hydrogen Evolution. <i>Electrochimica Acta</i> , 2017, 235, 480-487.	5.2	19
105	A Cationic Diode Based on Asymmetric Nafion Film Deposits. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11272-11278.	8.0	42
106	Cellulose ionics: switching ionic diode responses by surface charge in reconstituted cellulose films. <i>Analyst</i> , 2017, 142, 3707-3714.	3.5	15
107	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.	2.9	11
108	Voltammetric Chloride Sensing Based on Trace-Level Mercury Impregnation Into Amine-Functionalized Carbon Nanoparticle Films. <i>IEEE Sensors Journal</i> , 2017, 17, 5437-5443.	4.7	5

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109	Highly conductive nano-silver textile for sensing hydrogen peroxide. Journal of Electroanalytical Chemistry, 2017, 799, 473-480.	3.8	16
110	Carbonization of polymers of intrinsic microporosity to microporous heterocarbon: Capacitive pH measurements. Applied Materials Today, 2017, 9, 136-144.	4.3	11
111	High-Utilisation Nanoplatinum Catalyst (Pt@cPIM) Obtained via Vacuum Carbonisation in a Molecularly Rigid Polymer of Intrinsic Microporosity. Electrocatalysis, 2017, 8, 132-143.	3.0	12
112	Potassium cation induced ionic diode blocking for a polymer of intrinsic microporosity nafion heterojunction on a microhole substrate. Electrochimica Acta, 2017, 258, 807-813.	5.2	21
113	Bacteriophages-Carbon Nanofibre Modified Electrodes for Biosensing Applications. Proceedings (mdpi), 2017, 1, .	0.2	0
114	Fabrication of a Horizontal and a Vertical Large Surface Area Nanogap Electrochemical Sensor. Sensors, 2016, 16, 2128.	3.8	8
115	Generator-collector Voltammetry at Dual-plate Gold-gold Microtrench Electrodes as Diagnostic Tool in Ionic Liquids. Electroanalysis, 2016, 28, 1068-1076.	2.9	3
116	Residual Porosity of 3D-Printed Stainless Steel Electrodes Allows Galvanic Exchange Platinisation. ChemElectroChem, 2016, 3, 1020-1025.	3.4	7
117	Hydrodynamic Rocking Disc Electrode Study of the TEMPO-mediated Catalytic Oxidation of Primary Alcohols. Electroanalysis, 2016, 28, 2093-2103.	2.9	7
118	Estimation of Energy Levels of Self-assembled Ferrocenyls and Investigation of Charge-driven Electro-crystallization of Ferricenyl Materials. Energy Procedia, 2016, 100, 149-154.	1.8	3
119	Reagentless Electrochemiluminescence from a Nanoparticulate Polymer of Intrinsic Microporosity (PIM-1) Immobilized onto Tin-Doped Indium Oxide. ChemElectroChem, 2016, 3, 2160-2164.	3.4	7
120	Metal@MOF Materials in Electroanalysis: Silver-Enhanced Oxidation Reactivity Towards Nitrophenols Adsorbed into a Zinc Metal Organic Framework Ag@MOF-5(Zn). Electrochimica Acta, 2016, 219, 482-491.	5.2	49
121	Hydrophobicity effects in iron polypyridyl complex electrocatalysis within Nafion thin-film electrodes. Physical Chemistry Chemical Physics, 2016, 18, 23365-23373.	2.8	4
122	Molecularly Rigid Microporous Polyamine Captures and Stabilizes Conducting Platinum Nanoparticle Networks. ACS Applied Materials & Interfaces, 2016, 8, 22425-22430.	8.0	14
123	Photoelectrocatalytic properties of BiVO4 prepared with different alcohol solvents. International Journal of Hydrogen Energy, 2016, 41, 17380-17389.	7.1	15
124	A Modular Bioplatform Based on a Versatile Supramolecular Multienzyme Complex Directly Attached to Graphene. ACS Applied Materials & Interfaces, 2016, 8, 21077-21088.	8.0	14
125	Modified Filamentous Bacteriophage as a Scaffold for Carbon Nanofiber. Bioconjugate Chemistry, 2016, 27, 2900-2910.	3.6	16
126	All-Polystyrene 3D-Printed Electrochemical Device with Embedded Carbon Nanofiber-Graphite-Polystyrene Composite Conductor. Electroanalysis, 2016, 28, 1517-1523.	2.9	141

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127	pH-induced reversal of ionic diode polarity in 300 nm thin membranes based on a polymer of intrinsic microporosity. <i>Electrochemistry Communications</i> , 2016, 69, 41-45.	4.7	30
128	Nanostructured heated gold electrodes for DNA hybridization detection using enzyme labels. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 502-509.	7.8	5
129	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.	3.6	16
130	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.	2.5	4
131	Synthesis and characterization of porous carbon@MoS ₂ nanohybrid materials: electrocatalytic performance towards selected biomolecules. <i>Journal of Materials Chemistry B</i> , 2016, 4, 1448-1457.	5.8	23
132	Ion flow in a zeolitic imidazolate framework results in ionic diode phenomena. <i>Chemical Communications</i> , 2016, 52, 2792-2794.	4.1	25
133	In situ microwave-enhanced electrochemical reactions at stainless steel: Nano-iron for aqueous pollutant degradation. <i>Electrochemistry Communications</i> , 2016, 62, 48-51.	4.7	7
134	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.	3.8	21
135	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.	2.8	6
136	Hydrodynamic Voltammetry at a Rocking Disc Electrode: Theory versus Experiment. <i>Electrochimica Acta</i> , 2016, 188, 837-844.	5.2	9
137	Polymer of Intrinsic Microporosity Induces Host-Guest Substrate Selectivity in Heterogeneous 4-Benzoyloxy-TEMPO-Catalysed Alcohol Oxidations. <i>Electrocatalysis</i> , 2016, 7, 70-78.	3.0	18
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