

# Enn Lust

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Influence of Carbon Dioxide and Humidity on the Stability of $(\text{La}_{0.6}\text{Sr}_{0.4})_{0.99}\text{Co}_{1-x}\text{Ti}_x\text{O}_{3-\delta}$ Cathode. Journal of the Electrochemical Society, 2022, 169, 014514.	1.3	2
2	Electrochemical Characteristics of Zn-Ion Hybrid Supercapacitors Based on Aqueous Solution of Different Electrolytes. Journal of the Electrochemical Society, 2022, 169, 020512.	1.3	10
3	Influence of water on the electrochemical characteristics and nanostructure of $\text{Bi}(\text{hkl})^{\text{th}}$ , Ionic liquid interface. Electrochimica Acta, 2022, 415, 140263.	2.6	6
4	Preparation of nanofibrous materials activated with metal clusters for active and long-lasting air filters. Separation and Purification Technology, 2022, 288, 120697.	3.9	6
5	Peat as a carbon source for non-platinum group metal oxygen electrocatalysts and AEMFC cathodes. International Journal of Hydrogen Energy, 2022, 47, 16908-16920.	3.8	9
6	Order beyond a monolayer: The story of two self-assembled 4,4'-bipyridine layers on the $\text{Sb}(111)$   ionic liquid interface. Electrochimica Acta, 2022, 421, 140468.	2.6	6
7	Pore wall corrugation effect on the dynamics of adsorbed $\text{H}_2$ studied by in situ quasi-elastic neutron scattering: Observation of two timescaled diffusion. Carbon, 2022, 197, 359-367.	5.4	8
8	Adsorption of iodide ions at the $\text{Bi}(111)$   propylene carbonate+dimethyl carbonate interface. Journal of Electroanalytical Chemistry, 2022, 920, 116618.	1.9	3
9	In situ observation of pressure modulated reversible structural changes in the graphitic domains of carbide-derived carbons. Carbon, 2021, 174, 190-200.	5.4	9
10	Study of the structural curvature in $\text{Mo}_2\text{C}$ derived carbons with contrast matched small-angle neutron scattering. Carbon, 2021, 171, 695-703.	5.4	18
11	Carbide-Derived Carbons: WAXS and Raman Spectra for Detailed Structural Analysis. Journal of Carbon Research, 2021, 7, 29.	1.4	10
12	Two-Step Solvent Extraction of Radioactive Elements and Rare Earths from Estonian Phosphorite Ore Using Nitrated Aliquat 336 and Bis(2-ethylhexyl) Phosphate. Minerals (Basel, Switzerland), 2021, 11, 388.	0.8	7
13	Influence of Ni concentration on electrochemical and crystallographic properties of $\text{La}_{0.25}\text{Sr}_{0.25}\text{Ca}_{0.4}\text{Ti}_{1-x}\text{Ni}_x\text{O}_{3-\delta}$ solid oxide fuel cell anode. Journal of Power Sources, 2021, 494, 229739.	4.0	7
14	Synthesis and Characterization of Cobalt and Nitrogen Co-Doped Peat-Derived Carbon Catalysts for Oxygen Reduction in Acidic Media. Catalysts, 2021, 11, 715.	1.6	6
15	Comparative study of the crystallographic expansion of GSC and LSC porous electrodes. Fuel Cells, 2021, 21, 290.	1.5	0
16	Bis(trifluoromethanesulfonyl)imide Metallic Salts Based Electrolytes for Electrochemical Capacitor Application: Theoretical vs Experimental Performance. Journal of the Electrochemical Society, 2021, 168, 070528.	1.3	3
17	$\text{Zn}(\text{ClO}_4)_2$ aqueous solution-based Zn thin foil   carbon cloth two-electrode single-cell characteristics. Journal of Solid State Electrochemistry, 2021, 25, 2869-2880.	1.2	5
18	Multifunctional Electrocatalysis on Single-Site Metal Catalysts: A Computational Perspective. Catalysts, 2021, 11, 1165.	1.6	11



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37	Effect of alkali and halide ion doping on the energy storage characteristics of ionic liquid based supercapacitors. <i>Electrochimica Acta</i> , 2019, 319, 82-87.	2.6	12
38	Adsorption of anions on bismuth and cadmium single crystal plane electrodes from various solvents and ionic liquid mixtures. <i>Electrochimica Acta</i> , 2019, 319, 895-908.	2.6	15
39	Transport properties of H <sub>2</sub> confined in carbide-derived carbons with different pore shapes and sizes. <i>Carbon</i> , 2019, 155, 122-128.	5.4	18
40	Adsorption of bromide ions at the Bi   $\gamma$ -valerolactone and Bi   propylene carbonate interfaces. <i>Journal of Electroanalytical Chemistry</i> , 2019, 851, 113438.	1.9	5
41	Influence of A- and B-Site Modifications of (La <sub>1-x</sub> Sr <sub>x</sub> ) <sub>y</sub> Cr <sub>0.5-z</sub> Mn <sub>0.5-w</sub> Ni <sub>z+w</sub> O <sub>3-<math>\hat{r}</math></sub> on Electrochemical Impedance Characteristics of Reversible Solid Oxide Cell. <i>Journal of the Electrochemical Society</i> , 2019, 166, F1148-F1156.	1.3	4
42	Influence of Humidity and Carbon Dioxide on the (La <sub>0.6</sub> Sr <sub>0.4</sub> ) <sub>0.99</sub> Co <sub>1-x</sub> MxO <sub>3-<math>\hat{r}</math></sub> (M = Nb, Ti) Oxygen Electrode Characteristics. <i>ECS Transactions</i> , 2019, 91, 1453-1460.	0.3	1
43	Enhanced Power Performance of Highly Mesoporous Sol-Gel TiC Derived Carbons in Ionic Liquid and Non-Aqueous Electrolyte Based Capacitors. <i>Journal of the Electrochemical Society</i> , 2019, 166, A2887-A2895.	1.3	11
44	Long-Term Degradation and Poisoning Effects of Ni-YSZ   YSZ   GDC   PSC in Electrolysis Mode. <i>ECS Transactions</i> , 2019, 91, 2727-2736.	0.3	0
45	Low concentrated carbonaceous suspensions assisted with carboxymethyl cellulose as electrode for electrochemical flow capacitor. <i>European Physical Journal E</i> , 2019, 42, 8.	0.7	6
46	Electrical Double Layer Capacitors Based on Steam and CO <sub>2</sub> -Steam Co-Activated Carbon Electrodes and Ionic Liquid Electrolyte. <i>Journal of the Electrochemical Society</i> , 2019, 166, A1558-A1567.	1.3	13
47	Following the in-plane disorder of sodiated hard carbon through <i>operando</i> total scattering. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11709-11717.	5.2	28
48	Carbide derived carbons investigated by small angle X-ray scattering: Inner surface and porosity vs. graphitization. <i>Carbon</i> , 2019, 146, 284-292.	5.4	25
49	In Situ X-ray Photoelectron Spectroscopic and Electrochemical Studies of the Bromide Anions Dissolved in 1-Ethyl-3-Methyl Imidazolium Tetrafluoroborate. <i>Nanomaterials</i> , 2019, 9, 304.	1.9	11
50	Electrochemical- and Crystallographic <i>operando</i> Characterization of La <sub>0.75</sub> Sr <sub>0.25</sub> Cr <sub>0.5</sub> Mn <sub>0.3</sub> Ni <sub>0.2</sub> O <sub>3-<math>\hat{r}</math></sub> Anode Infiltrated into Sc <sub>0.2</sub> Ce <sub>0.01</sub> Zr <sub>0.79</sub> O <sub>2-<math>\hat{r}</math></sub> Electrolyte Scaffold. <i>ECS Transactions</i> , 2019, 91, 1683-1692.	0.3	2
51	Synthesis and Characterization of Platinum-Praseodymium Oxide Nanocatalysts for Methanol Electrooxidation. <i>Journal of the Electrochemical Society</i> , 2019, 166, F1062-F1069.	1.3	6
52	Valence electronic structure of [EMIM][B(CN) <sub>4</sub> ]: ion-pair <i>vs.</i> bulk description. <i>RSC Advances</i> , 2019, 9, 33140-33146.	1.7	6
53	Density Functional Theory Study of Ionic Liquid Adsorption on Circumcoronene Shaped Graphene. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2624-2631.	1.5	26
54	NaAlH <sub>4</sub> /microporous carbon composite materials for reversible hydrogen storage. <i>Microporous and Mesoporous Materials</i> , 2018, 264, 8-12.	2.2	16

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55	Near ambient pressure X-ray photoelectron - and impedance spectroscopy study of NiO - Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>2</sub> - $\hat{r}$ anode reduction using a novel dual-chamber spectroelectrochemical cell. Journal of Power Sources, 2018, 378, 589-596.	4.0	20
56	Synthesis and Characterization of Platinum-Cerium Oxide Nanocatalysts for Methanol Oxidation. Journal of the Electrochemical Society, 2018, 165, F315-F323.	1.3	9
57	In Situ Acoustic Diagnostics of Particle-Binder Interactions in Battery Electrodes. Joule, 2018, 2, 988-1003.	11.7	29
58	The electrochemical activity of two binary alloy catalysts toward oxygen reduction reaction in 0.1M KOH. Journal of Solid State Electrochemistry, 2018, 22, 31-40.	1.2	5
59	Zero Charge Potentials and Electrical Double Layer at Solid Electrodes. , 2018, , 316-344.		10
60	Influence of Electrolyte Scaffold Microstructure and Loading of MIEC Material on the Electrochemical Performance of RSOC Fuel Electrode. Fuel Cells, 2018, 18, 789-799.	1.5	6
61	Synthesis and Characterization of Platinum-Praseodymium Oxide Nanocatalysts for Methanol Oxidation. ECS Transactions, 2018, 86, 649-658.	0.3	0
62	Simultaneous Operando Characterization of Crystallographic and Electrochemical Properties of Ni-Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>2</sub> - $\hat{r}$ Solid Oxide Fuel Cell Anode. Journal of the Electrochemical Society, 2018, 165, F1043-F1050.	1.3	14
63	ORR Activity and Stability of Co-N/C Catalysts Based on Silicon Carbide Derived Carbon and the Impact of Loading in Acidic Media. Journal of the Electrochemical Society, 2018, 165, F1217-F1223.	1.3	15
64	Activity and Stability of Carbide Derived Carbon Supports in PEMFC Application. ECS Transactions, 2018, 86, 507-517.	0.3	4
65	Increasing the stability of very high potential electrical double layer capacitors by operando passivation. Journal of Power Sources, 2018, 402, 53-61.	4.0	12
66	Valence electronic structure of [EMIM][BF <sub>4</sub> ] ionic liquid: photoemission and DFT+D study. RSC Advances, 2018, 8, 30298-30304.	1.7	12
67	The effect of N precursors in Fe-N/C type catalysts based on activated silicon carbide derived carbon for oxygen reduction activity at various pH values. Journal of Electroanalytical Chemistry, 2018, 823, 593-600.	1.9	21
68	Steam and Carbon Dioxide Co-Activated Silicon Carbide-Derived Carbons for High Power Density Electrical Double Layer Capacitors. Journal of the Electrochemical Society, 2018, 165, A2357-A2364.	1.3	7
69	Oxygen Reduction Reaction on Nitrogen and Cobalt Modified Silicon Carbide Derived Carbon in Acidic Media. ECS Transactions, 2018, 85, 855-863.	0.3	5
70	Melt-electrospinning as a method to improve the dissolution and physical stability of a poorly water-soluble drug. European Journal of Pharmaceutical Sciences, 2018, 121, 260-268.	1.9	10
71	Influence of porosity parameters and electrolyte chemical composition on the power densities of non-aqueous and ionic liquid based supercapacitors. Electrochimica Acta, 2018, 283, 931-948.	2.6	37
72	Application of Some Carbon Fabrics as Outstanding Supercapacitor Electrode Materials in Acetonitrile Based Electrolyte. Journal of the Electrochemical Society, 2017, 164, A453-A460.	1.3	4

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73	Accelerated Durability Tests of Molybdenum Carbide Derived Carbon Based Pt Catalysts for PEMFC. Journal of the Electrochemical Society, 2017, 164, F338-F346.	1.3	6
74	Carbide Derived Carbon Supported Pt Nanoparticles with Optimum Size and Amount for Efficient Oxygen Reduction Reaction Kinetics. Journal of the Electrochemical Society, 2017, 164, F448-F453.	1.3	6
75	Fe-N/C catalysts for oxygen reduction based on silicon carbide derived carbon. Electrochemistry Communications, 2017, 80, 33-38.	2.3	21
76	Reactions at graphene   tetracyanoborate ionic liquid interface – New safety mechanisms for supercapacitors and batteries. Electrochemistry Communications, 2017, 74, 38-41.	2.3	21
77	Enhanced stability of symmetrical polymer electrolyte membrane fuel cell single cells based on novel hierarchical microporous-mesoporous carbon supports. Journal of Solid State Electrochemistry, 2017, 21, 1035-1043.	1.2	9
78	Influence of Iodide Ions Concentration on the Stability of 1-Ethyl-3-methylimidazolium Tetrafluoroborate   Molybdenum Carbide Derived Carbon Electrode Interface. Journal of the Electrochemical Society, 2017, 164, A1110-A1119.	1.3	13
79	Influence of humidified synthetic air feeding conditions on the stoichiometry of $(La_{1-x}Sr_x)_yCoO_{3-\delta}$ and $La_{0.6}Sr_{0.4}Co_{0.2}Fe_{0.8}O_{3-\delta}$ cathodes under applied potential measured by electrochemical in situ high-temperature XRD method. Journal of Solid State Electrochemistry, 2017, 21, 361-369.	1.2	7
80	Influence of chemical composition and amount of intermixed ionomer in the catalyst on the oxygen reduction reaction characteristics. Journal of Solid State Electrochemistry, 2017, 21, 2079-2090.	1.2	3
81	Novel sol-gel synthesis route of carbide-derived carbon composites for very high power density supercapacitors. Chemical Engineering Journal, 2017, 320, 576-587.	6.6	41
82	Synthesis and characterization of d-glucose derived nanospheric hard carbon negative electrodes for lithium- and sodium-ion batteries. Electrochimica Acta, 2017, 253, 536-544.	2.6	67
83	Influence of chemical composition of electrode material on the differential capacitance characteristics of the ionic liquid   electrode interface. Electrochemistry Communications, 2017, 82, 39-42.	2.3	24
84	Carbon for Energy Storage Derived from Granulated White Sugar by Hydrothermal Carbonization and Subsequent Zinc Chloride Activation. Journal of the Electrochemical Society, 2017, 164, A1866-A1872.	1.3	32
85	The Nanoporous RP-20 Carbon Electrode as a Model for Energy Storage and Conversion Systems – Studied with $\mu$ CT, SAXS and SANS Techniques. ECS Transactions, 2017, 77, 1133-1144.	0.3	5
86	The Electrochemical Behavior of 1-Ethyl-3-Methyl Imidazolium Tetracyanoborate Visualized by In Situ X-ray Photoelectron Spectroscopy at the Negatively and Positively Polarized Micro-Mesoporous Carbon Electrode. Journal of the Electrochemical Society, 2017, 164, A3393-A3402.	1.3	17
87	Specific adsorption from an ionic liquid: impedance study of iodide ion adsorption from a pure halide ionic liquid at bismuth single crystal planes. Electrochimica Acta, 2017, 247, 910-919.	2.6	19
88	Alkali-Metal Insertion Processes on Nanospheric Hard Carbon Electrodes: An Electrochemical Impedance Spectroscopy Study. Journal of the Electrochemical Society, 2017, 164, E3429-E3437.	1.3	27
89	Electrochemical Characterization of the Microfabricated Electrochemical Sensor Array System. Electroanalysis, 2017, 29, 249-258.	1.5	3
90	Electrical double layer and adsorption of iodide ions at the Bi   ethylene carbonate interface. Journal of Solid State Electrochemistry, 2017, 21, 193-201.	1.2	7

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91	Electrochemical Investigation of 1-Ethyl-3-methylimidazolium Bromide and Tetrafluoroborate Mixture at Bi(111) Electrode Interface. Journal of the Electrochemical Society, 2016, 163, H723-H730.	1.3	26
92	Influence of Temperature on the Oxygen Electroreduction Activity at Micro-Mesoporous Carbon Support. Journal of the Electrochemical Society, 2016, 163, F284-F290.	1.3	5
93	Interplay between the hydrophilicity of metal electrodes and their interfacial capacitance. Electrochimica Acta, 2016, 210, 615-621.	2.6	8
94	Performance of Polymer Electrolyte Membrane Fuel Cell Single Cells Prepared Using Hierarchical Microporous-Mesoporous Carbon Supported Pt Nanoparticles Activated Catalysts. Electrochimica Acta, 2016, 203, 221-229.	2.6	23
95	Microporous and mesoporous carbons for energy storage synthesized by activation of carbonaceous material by zinc chloride, potassium hydroxide or mixture of them. Journal of Power Sources, 2016, 326, 624-634.	4.0	68
96	Supercapacitors Based on Activated Silicon Carbide-Derived Carbon Materials and Ionic Liquid. Journal of the Electrochemical Society, 2016, 163, A1317-A1325.	1.3	33
97	Oxygen Electroreduction on Platinum Nanoparticles Activated Electrodes Deposited onto D-Glucose Derived Carbon Support in 0.1 M KOH. Journal of the Electrochemical Society, 2016, 163, F1251-F1257.	1.3	14
98	Enhanced Stability of Novel Hierarchical Carbon Supports in PEMFC Application. ECS Transactions, 2016, 75, 789-799.	0.3	3
99	Spectroscopy study of ionic liquid restructuring at lead interface. Journal of Electroanalytical Chemistry, 2016, 778, 41-48.	1.9	9
100	Characteristics of Capacitors Based on Ionic Liquids: From Dielectric Polymers to Redox-Active Adsorbed Species. ECS Transactions, 2016, 75, 161-170.	0.3	6
101	Electrochemical Characteristics and Gas Composition Generated by $\text{La}_{0.8}\text{Sr}_{0.2}\text{Cr}_{0.5}\text{Mn}_{0.5}\text{O}_3$ Cathode at Electrolysis and Co-Electrolysis Modes. Journal of the Electrochemical Society, 2016, 163, F3190-F3196.	1.3	16
102	Electrochemical analysis of heavy metal cations and some anions applying the electrodes modified with ionic liquids. , 2016, , 261-285.		0
103	Influence of the negative potential of molybdenum carbide derived carbon electrode on the in situ synchrotron radiation activated X-ray photoelectron spectra of 1-ethyl-3-methylimidazolium tetrafluoroborate. Electrochimica Acta, 2016, 206, 419-426.	2.6	29
104	D-Glucose Derived Nanospheric Hard Carbon Electrodes for Room-Temperature Sodium-Ion Batteries. Journal of the Electrochemical Society, 2016, 163, A1619-A1626.	1.3	66
105	Structure and stability of partially chlorinated molybdenum carbide composite materials synthesised via high temperature chlorination. Electrochimica Acta, 2016, 191, 337-345.	2.6	7
106	The suitability of infinite slit-shaped pore model to describe the pores in highly porous carbon materials. Carbon, 2016, 100, 617-624.	5.4	50
107	C(Mo <sub>2</sub> C) and Pt/C(Mo <sub>2</sub> C) based mixed catalysts for oxygen reduction reaction. Journal of Electroanalytical Chemistry, 2016, 761, 89-97.	1.9	8
108	Ionic liquid-1,2-dimethoxyethane mixture as electrolyte for high power density supercapacitors. Journal of Energy Chemistry, 2016, 25, 609-614.	7.1	21



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109	In situ hydrodynamic spectroscopy for structure characterization of porous energy storage electrodes. <i>Nature Materials</i> , 2016, 15, 570-575.	13.3	77
110	Mobility of Sr in Gadolinia Doped Ceria Barrier Layers Prepared Using Spray Pyrolysis, Pulsed Laser Deposition and Magnetron Sputtering Methods. <i>Journal of the Electrochemical Society</i> , 2016, 163, F88-F96.	1.3	30
111	Vinylene Carbonate as Co-Solvent for Low-Temperature Mixed Electrolyte Based Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2016, 163, A851-A857.	1.3	16
112	Formation of 2,2'-bipyridine adlayers at Sb(111)   ionic liquid + 2,2'-bipyridine solution interface. <i>Electrochemistry Communications</i> , 2015, 61, 61-65.	2.3	10
113	Carbon Dioxide Activated SiC-CDC: Attractive Material for Supercapacitor Electrodes. <i>ECS Transactions</i> , 2015, 69, 1-10.	0.3	1
114	Effect of Platinum Nanoparticle Loading on Oxygen Reduction at a Pt Nanocluster-Activated Microporous/Mesoporous Carbon Support. <i>Electrocatalysis</i> , 2015, 6, 242-254.	1.5	18
115	High power density supercapacitors based on the carbon dioxide activated d-glucose derived carbon electrodes and 1-ethyl-3-methylimidazolium tetrafluoroborate ionic liquid. <i>Journal of Power Sources</i> , 2015, 280, 667-677.	4.0	111
116	4-10 V capacitors with graphene-based electrodes and ionic liquid electrolyte. <i>Journal of Power Sources</i> , 2015, 280, 606-611.	4.0	31
117	Low Temperature Performance of Electrochemical Double-Layer Capacitor based on Electrospun Half-Cells. <i>Journal of the Electrochemical Society</i> , 2015, 162, A5031-A5036.	1.3	6
118	Kinetic Response of $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_3$ Lattice Parameters to Electric Potential Change in Porous Cathode at In Situ Solid Oxide Fuel Cell Conditions. <i>Journal of the Electrochemical Society</i> , 2015, 162, F354-F358.	1.3	18
119	Oxygen Reduction at Shape-Controlled Platinum Nanoparticles and Composite Catalysts Based on (100)Pt Nanocubes on Microporous/Mesoporous Carbon Supports. <i>ChemElectroChem</i> , 2015, 2, 847-851.	1.7	17
120	Huge enhancement of energy storage capacity and power density of supercapacitors based on the carbon dioxide activated microporous SiC-CDC. <i>Electrochimica Acta</i> , 2015, 161, 364-370.	2.6	75
121	Oxygen Electrocatalysis on High-Surface Area Non-Pt Metal Modified Carbon Catalysts. <i>ECS Transactions</i> , 2015, 64, 11-21.	0.3	3
122	Oxygen Reduction Reaction in Alkaline Solution: Influence of Catalyst Loading and Carbon Support Characteristics. <i>ECS Transactions</i> , 2015, 64, 115-123.	0.3	6
123	Oxygen Electroreduction on Platinum Nanoparticles Deposited onto D-Glucose Derived Carbon. <i>Journal of the Electrochemical Society</i> , 2015, 162, F651-F660.	1.3	9
124	Characterization of Terbium and Samarium Co-Doped Ceria Films Prepared Using Ultrasonic Spray Pyrolysis. <i>Journal of the Electrochemical Society</i> , 2015, 162, F812-F820.	1.3	4
125	Comparative in situ STM, cyclic voltammetry and impedance spectroscopy study of Bi(111)   1-ethyl-3-methylimidazolium tetrafluoroborate interface. <i>Journal of Electroanalytical Chemistry</i> , 2015, 758, 201-208.	1.9	10
126	Near threshold photodissociation study of EMIMBF <sub>4</sub> vapor. <i>RSC Advances</i> , 2015, 5, 6834-6842.	1.7	7



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127	Development of Medium-Temperature Solid Oxide Fuel Cells and CO <sub>2</sub> and H <sub>2</sub> O Co-Electrolysis Cells in Estonia. ECS Transactions, 2015, 68, 3407-3415.	0.3	1
128	Adsorption of 4,4'-bipyridine on the Cd(0001) single crystal electrode surface. Electrochimica Acta, 2015, 180, 965-976.	2.6	10
129	Electrochemical behaviour of hybrid devices based on Na <sub>2</sub> SO <sub>4</sub> and Rb <sub>2</sub> SO <sub>4</sub> neutral aqueous electrolytes and carbon electrodes within wide cell potential region. Journal of Solid State Electrochemistry, 2015, 19, 769-783.	1.2	18
130	The electrochemical characteristics of the mixture of 1-ethyl-3-methylimidazolium tetrafluoroborate and 1-ethyl-3-methylimidazolium iodide. Journal of Electroanalytical Chemistry, 2014, 730, 59-64.	1.9	11
131	The Impact of Pt-Nanocluster Deposition and Nafion® Content on the Oxygen Electroreduction Kinetics on Molybdenum Carbide Derived Carbon Synthesized at 1000°C. ECS Transactions, 2014, 61, 37-50.	0.3	4
132	D-Glucose Derived Micro/Mesoporous Carbons for Ultra-High Rate Supercapacitor Application. ECS Transactions, 2014, 58, 3-12.	0.3	0
133	In Situ XPS Studies of Electrochemically Positively Polarized Molybdenum Carbide Derived Carbon Double Layer Capacitor Electrode. Journal of the Electrochemical Society, 2014, 161, A1266-A1277.	1.3	16
134	Supercapacitors Based on Propylene Carbonate with Small Addition of Different Sulfur Containing Organic Solvents. Journal of the Electrochemical Society, 2014, 161, A1284-A1290.	1.3	14
135	Oxygen Electrocatalysis on the Pt-Modified Carbon: Influence of KOH Concentration. ECS Transactions, 2014, 59, 137-144.	0.3	7
136	Characteristics of non-aqueous quaternary solvent mixture and Na-salts based supercapacitor electrolytes in a wide temperature range. Electrochimica Acta, 2014, 121, 294-300.	2.6	43
137	Balance of the interfacial interactions of 4,4'-bipyridine at Bi(111) surface. Electrochimica Acta, 2014, 120, 86-95.	2.6	15
138	Application of multistep electrospinning method for preparation of electrical double-layer capacitor half-cells. Electrochimica Acta, 2014, 119, 72-77.	2.6	17
139	Cesium carborane as an unconventional non-aqueous electrolyte salt for electrochemical capacitors. Electrochimica Acta, 2014, 125, 482-487.	2.6	17
140	Impact of the Pt catalyst on the oxygen electroreduction reaction kinetics on various carbon supports. Journal of Solid State Electrochemistry, 2014, 18, 1223-1229.	1.2	11
141	Electrochemical Double Layer Capacitors Based on Propylene Carbonate Solution Operating from -45°C to 100°C. Journal of the Electrochemical Society, 2014, 161, A712-A717.	1.3	9
142	Novel micromesoporous carbon materials synthesized from tantalum hafnium carbide and tungsten titanium carbide. Carbon, 2014, 67, 607-616.	5.4	46
143	Microporous and Mesoporous Carbide-Derived Carbons for Strain Modification of Electromechanical Actuators. Langmuir, 2014, 30, 2583-2587.	1.6	12
144	A Type High Capacitance Supercapacitor Based on Mixed Room Temperature Ionic Liquids Containing Specifically Adsorbed Iodide Anions. Journal of the Electrochemical Society, 2014, 161, A222-A227.	1.3	69

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145	Electrical double layer and adsorption of iodide ions at the Bi   gamma-butyrolactone interface. Journal of Electroanalytical Chemistry, 2014, 733, 20-26.	1.9	13
146	Electrical double layer and adsorption of iodide ions at the Bi   acetonitrile interface. Journal of Solid State Electrochemistry, 2014, 18, 173-180.	1.2	15
147	Electrochemical characteristics pyrolytic graphite   mixture of 1-ethyl-3-methylimidazolium tetrafluoroborate and 1-ethyl-3-methylimidazolium iodide interface. Journal of Electroanalytical Chemistry, 2014, 719, 133-137.	1.9	23
148	Influence of specific surface area and microporosity-mesoporosity of pristine and Pt-nanoclusters modified carbide derived carbon electrodes on the oxygen electroreduction. Electrochimica Acta, 2014, 140, 294-303.	2.6	20
149	Surface chemistry of carbon electrodes in 1-ethyl-3-methylimidazolium tetrafluoroborate ionic liquid – an in situ infrared study. Electrochimica Acta, 2014, 125, 183-190.	2.6	61
150	Investigation of a Carbon-Supported Pt Electrode for Oxygen Reduction Reaction in 0.1M KOH Aqueous Solution. Journal of the Electrochemical Society, 2014, 161, F861-F867.	1.3	24
151	In situ STM studies of Bi(111)   1-ethyl-3-methylimidazolium tetrafluoroborate+1-ethyl-3-methylimidazolium iodide interface. Electrochemistry Communications, 2014, 46, 18-21.	2.3	19
152	An infrared study of the few-layer graphene   ionic liquid interface: Reintroduction of in situ electroreflectance spectroscopy. Electrochemistry Communications, 2014, 46, 22-25.	2.3	11
153	In situ STM studies of electrochemically polished Cd(0001) electrode in aqueous electrolyte solutions. Surface Science, 2014, 628, 86-91.	0.8	10
154	Adsorption of thiourea on Bi(111) electrode surface. Journal of Electroanalytical Chemistry, 2014, 712, 103-112.	1.9	16
155	Electrochemical impedance characteristics and electroreduction of oxygen at tungsten carbide derived micromesoporous carbon electrodes. Journal of Electroanalytical Chemistry, 2013, 689, 176-184.	1.9	22
156	In situ STM studies of Sb(111) electrodes in aqueous electrolyte solutions. Surface Science, 2013, 613, 108-113.	0.8	8
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