# Alar JÃ¤nes

## List of Publications by Year in descending order

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| 144 | 4,617 | 76326 | 118850 |
|---|---|---|---|
| papers | citations | 40 h-index | 62 g-index |

| 144 | 144 | 144 | 3757 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Electrochemical Characteristics of Zn-Ion Hybrid Supercapacitors Based on Aqueous Solution of Different Electrolytes. Journal of the Electrochemical Society, 2022, 169, 020512. | 2.9 | 10 |
| 2 | Carbide-Derived Carbons: WAXS and Raman Spectra for Detailed Structural Analysis. Journal of Carbon Research, 2021, 7, 29. | 2.7 | 10 |
| 3 | Hydrogen adsorption properties of carbide-derived carbons at ambient temperature and high pressure. International Journal of Hydrogen Energy, 2021, 46, 15761-15772. | 7.1 | 14 |
| 4 | Bis(trifluoromethanesulfonyl)imide Metallic Salts Based Electrolytes for Electrochemical Capacitor Application: Theoretical vs Experimental Performance. Journal of the Electrochemical Society, 2021, 168, 070528. | 2.9 | 3 |
| 5 | Zn(ClO4)2 aqueous solutionâ€“based Zn thin foil\|carbon cloth two-electrode single-cell characteristics. Journal of Solid State Electrochemistry, 2021, 25, 2869-2880. | 2.5 | 5 |
| 6 | Operando XRD study on the Effect of Boron Doping on the Failure Mechanisms of Na-, Ni- and Mn-based Positive Electrodes in Sodium-Ion Batteries. ECS Transactions, 2021, 104, 99-106. | 0.5 | 0 |
| 7 | Operando XRD study on the Effect of Boron Doping on the Failure Mechanisms of Na-, Ni- and Mn-based Positive Electrodes in Sodium-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 123-123. | 0.0 | 0 |
| 8 | Hydrothermal and peat-derived carbons as electrode materials for high-efficient electrical double-layer capacitors. Journal of Applied Electrochemistry, 2020, 50, 15-32. | 2.9 | 17 |
| 9 | Iodide ion containing ionic liquid mixture based asymmetrical capacitor performance. Journal of Energy Storage, 2020, 32, 101845. | 8.1 | 8 |
| 10 | Peat-derived hard carbon electrodes with superior capacity for sodium-ion batteries. RSC Advances, 2020, 10, 20145-20154. | 3.6 | 26 |
| 11 | Effect of Zinc Chloride Activation on D-Glucose Derived Carbons Based Capacitors Performance in Ionic Liquid. Journal of the Electrochemical Society, 2020, 167, 080533. | 2.9 | 8 |
| 12 | Glycine-Nitrate Process for Synthesis of Na3V2(PO4)3 Cathode Material and Optimization of Glucose-Derived Hard Carbon Anode Material for Characterization in Full Cells. Batteries, 2019, 5, 56. | 4.5 | 10 |
| 13 | Enhanced Power Performance of Highly Mesoporous Sol-Gel TiC Derived Carbons in Ionic Liquid and Non-Aqueous Electrolyte Based Capacitors. Journal of the Electrochemical Society, 2019, 166, A2887-A2895. | 2.9 | 11 |
| 14 | Low concentrated carbonaceous suspensions assisted with carboxymethyl cellulose as electrode for electrochemical flow capacitor. European Physical Journal E, 2019, 42, 8. | 1.6 | 6 |
| 15 | Electrical Double Layer Capacitors Based on Steam and CO<sub>2</sub>-Steam Co-Activated Carbon Electrodes and Ionic Liquid Electrolyte. Journal of the Electrochemical Society, 2019, 166, A1558-A1567. | 2.9 | 13 |
| 16 | In Situ Acoustic Diagnostics of Particle-Binder Interactions in Battery Electrodes. Joule, 2018, 2, 988-1003. | 24.0 | 29 |
| 17 | Potassium Salts Based Non-Aqueous Electrolytes for Electrical Double Layer Capacitors: A Comparison with LiPF<sub>6</sub>and NaPF<sub>6</sub>Based Electrolytes. Journal of the Electrochemical Society, 2018, 165, A3862-A3870. | 2.9 | 12 |
| 18 | Increasing the stability of very high potential electrical double layer capacitors by operando passivation. Journal of Power Sources, 2018, 402, 53-61. | 7.8 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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. | 2.9 | 7 |
| 20 | 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. | 5.2 | 37 |
| 21 | Application of Some Carbon Fabrics as Outstanding Supercapacitor Electrode Materials in Acetonitrile Based Electrolyte. Journal of the Electrochemical Society, 2017, 164, A453-A460. | 2.9 | 4 |
| 22 | Novel sol-gel synthesis route of carbide-derived carbon composites for very high power density supercapacitors. Chemical Engineering Journal, 2017, 320, 576-587. | 12.7 | 41 |
| 23 | Synthesis and characterization of d-glucose derived nanospheric hard carbon negative electrodes for lithium- and sodium-ion batteries. Electrochimica Acta, 2017, 253, 536-544. | 5.2 | 67 |
| 24 | 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. | 2.9 | 32 |
| 25 | Alkali-Metal Insertion Processes on Nanospheric Hard Carbon Electrodes: An Electrochemical Impedance Spectroscopy Study. Journal of the Electrochemical Society, 2017, 164, E3429-E3437. | 2.9 | 27 |
| 26 | Microporousâ€“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. | 7.8 | 68 |
| 27 | Supercapacitors Based on Activated Silicon Carbide-Derived Carbon Materials and Ionic Liquid. Journal of the Electrochemical Society, 2016, 163, A1317-A1325. | 2.9 | 33 |
| 28 | A Hybrid Capacitor Based on Fe<sub>3</sub>O<sub>4</sub>-Graphene Nanocomposite/Few-Layer Graphene in Different Aqueous Electrolytes. Journal of the Electrochemical Society, 2016, 163, A2768-A2775. | 2.9 | 63 |
| 29 | Characteristics of Capacitors Based on Ionic Liquids: From Dielectric Polymers to Redox-Active Adsorbed Species. ECS Transactions, 2016, 75, 161-170. | 0.5 | 6 |
| 30 | D-Glucose Derived Nanospheric Hard Carbon Electrodes for Room-Temperature Sodium-Ion Batteries. Journal of the Electrochemical Society, 2016, 163, A1619-A1626. | 2.9 | 66 |
| 31 | Ionic liquid-1,2-dimethoxyethane mixture as electrolyte for high power density supercapacitors. Journal of Energy Chemistry, 2016, 25, 609-614. | 12.9 | 21 |
| 32 | In situ hydrodynamic spectroscopy for structure characterization of porous energy storageÂelectrodes. Nature Materials, 2016, 15, 570-575. | 27.5 | 77 |
| 33 | Vinylene Carbonate as Co-Solvent for Low-Temperature Mixed Electrolyte Based Supercapacitors. Journal of the Electrochemical Society, 2016, 163, A851-A857. | 2.9 | 16 |
| 34 | Synthesis and Characterization of Na<sub>3</sub>V<sub>2</sub>(PO<sub>4</sub>)<sub>2</sub>F<sub>3</sub> Based Cathode Material for Sodium Ion Batteries. ECS Transactions, 2015, 69, 27-36. | 0.5 | 3 |
| 35 | Carbon Dioxide Activated SiC-CDC: Attractive Material for Supercapacitor Electrodes. ECS Transactions, 2015, 69, 1-10. | 0.5 | 1 |
| 36 | Supercapacitors Based on Mixture of Room Temperature Ionic Liquids Containing Specifically Adsorbed Iodide Anions. ECS Transactions, 2015, 64, 1-11. | 0.5 | 6 |

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|---|---|---|---|
| 37 | High power density supercapacitors based on the carbon dioxide activated d-glucose derived carbon electrodes and 1-ethyl-3-methylimidazolium tetrafluoroborate ionic liquid. Journal of Power Sources, 2015, 280, 667-677. | 7.8 | 111 |
| 38 | Low Temperature Performance of Electrochemical Double-Layer Capacitor based on Electrospun Half-Cells. Journal of the Electrochemical Society, 2015, 162, A5031-A5036. | 2.9 | 6 |
| 39 | Huge enhancement of energy storage capacity and power density of supercapacitors based on the carbon dioxide activated microporous SiC-CDC. Electrochimica Acta, 2015, 161, 364-370. | 5.2 | 75 |
| 40 | Separator Materials Influence on Supercapacitors Performance in Viscous Electrolytes. ECS Transactions, 2015, 64, 41-49. | 0.5 | 7 |
| 41 | Oxygen Electroreduction on Platinum Nanoparticles Deposited onto D-Glucose Derived Carbon. Journal of the Electrochemical Society, 2015, 162, F651-F660. | 2.9 | 9 |
| 42 | Supercapacitors Based on Propylene Carbonate Solution Operating from -45 ÂC to 100 ÂC. ECS Transactions, 2015, 64, 31-40. | 0.5 | 3 |
| 43 | Supercapacitors Based on Propylene Carbonate with Addition of Sulfur Containing Organic Solvents. ECS Transactions, 2015, 64, 21-30. | 0.5 | 1 |
| 44 | Electrochemical behaviour of hybrid devices based on Na2SO4 and Rb2SO4 neutral aqueous electrolytes and carbon electrodes within wide cell potential region. Journal of Solid State Electrochemistry, 2015, 19, 769-783. | 2.5 | 18 |
| 45 | D-Glucose Derived Micro/Mesoporous Carbons for Ultra-High Rate Supercapacitor Application. ECS Transactions, 2014, 58, 3-12. | 0.5 | 0 |
| 46 | Supercapacitors Based on Propylene Carbonate with Small Addition of Different Sulfur Containing Organic Solvents. Journal of the Electrochemical Society, 2014, 161, A1284-A1290. | 2.9 | 14 |
| 47 | Fluoroethylene Carbonate and Propylene Carbonate Mixtures Based Electrolytes for Supercapacitors. ECS Transactions, 2014, 58, 71-79. | 0.5 | 5 |
| 48 | Characteristics of non-aqueous quaternary solvent mixture and Na-salts based supercapacitor electrolytes in a wide temperature range. Electrochimica Acta, 2014, 121, 294-300. | 5.2 | 43 |
| 49 | Application of multistep electrospinning method for preparation of electrical double-layer capacitor half-cells. Electrochimica Acta, 2014, 119, 72-77. | 5.2 | 17 |
| 50 | Cesium carborane as an unconventional non-aqueous electrolyte salt for electrochemical capacitors. Electrochimica Acta, 2014, 125, 482-487. | 5.2 | 17 |
| 51 | Electrochemical Double Layer Capacitors Based on Propylene Carbonate Solution Operating from â^'45Â°C to 100Â°C. Journal of the Electrochemical Society, 2014, 161, A712-A717. | 2.9 | 9 |
| 52 | Novel micromesoporous carbon materials synthesized from tantalum hafnium carbide and tungsten titanium carbide. Carbon, 2014, 67, 607-616. | 10.3 | 46 |
| 53 | Microporous and Mesoporous Carbide-Derived Carbons for Strain Modification of Electromechanical Actuators. Langmuir, 2014, 30, 2583-2587. | 3.5 | 12 |
| 54 | 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. | 2.9 | 69 |

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|---|---|---|---|
| 55 | Specific Performance of Supercapacitors at Lower Temperatures Based on Different Separator Materials. Journal of the Electrochemical Society, 2013, 160, A449-A457. | 2.9 | 25 |
| 56 | Specific Performance of Electrical Double-Layer Capacitors Based on Different Separator Materials and Non-Aqueous Electrolytes. ECS Transactions, 2013, 50, 181-189. | 0.5 | 0 |
| 57 | Supercapacitors based on carbide-derived carbons synthesised using HCl and Cl2 as reactants. Journal of Solid State Electrochemistry, 2013, 17, 19-28. | 2.5 | 42 |
| 58 | Influence of separator properties on electrochemical performance of electrical double-layer capacitors. Journal of Electroanalytical Chemistry, 2013, 689, 8-20. | 3.8 | 42 |
| 59 | Carbon materials for supercapacitor application by hydrothermal carbonization of D-glucose. IOP Conference Series: Materials Science and Engineering, 2013, 49, 012020. | 0.6 | 3 |
| 60 | Surface Characterization of Supercapacitor Electrodes after Long-Lasting Constant Current Tests. ECS Transactions, 2013, 50, 191-198. | 0.5 | 0 |
| 61 | Novel NaClO4 and NaPF6 Based Non-Aqueous Electrolytes for Electrical Double Layer Capacitor Application. ECS Transactions, 2013, 50, 153-161. | 0.5 | 1 |
| 62 | Fluoroethylene Carbonate as Co-Solvent for Propylene Carbonate Based Electrical Double Layer Capacitors. Journal of the Electrochemical Society, 2013, 160, A1025-A1030. | 2.9 | 19 |
| 63 | Surface analysis of supercapacitor electrodes after long-lasting constant current tests. IOP Conference Series: Materials Science and Engineering, 2013, 49, 012006. | 0.6 | 1 |
| 64 | High Power Density Supercapacitors Based on the Carbon Dioxide Activated D-Glucose Derived Carbon Electrodes and Acetonitrile Electrolyte. Journal of the Electrochemical Society, 2013, 160, A1834-A1841. | 2.9 | 47 |
| 65 | Influence of Different Organic Solvent Additives on 1-ethyl-3-methylimidazolium Tetrafluoroborate Electrolyte Based Electrical Double Layer Capacitors. Journal of the Electrochemical Society, 2013, 160, A1741-A1745. | 2.9 | 18 |
| 66 | Polymorphic Behavior and Morphology of Electrospun Poly(Vinylidene Fluoride) Separator Materials for Non-Aqueous Electrolyte Based Electric Double Layer Capacitors. ECS Transactions, 2013, 50, 49-58. | 0.5 | 8 |
| 67 | Comparative Study of Using Chlorine and Hydrogen Chloride for Synthesis of Titanium Carbide Derived Carbon. ECS Transactions, 2013, 50, 3-12. | 0.5 | 1 |
| 68 | Replacing Chlorine with Hydrogen Chloride as a Possible Reactant for Synthesis of Titanium Carbide Derived Carbon Powders for High-Technology Devices. IOP Conference Series: Materials Science and Engineering, 2013, 49, 012018. | 0.6 | 1 |
| 69 | Low-voltage bending actuators from carbide-derived carbon improved with gold foil. , 2012, , . | | 0 |
| 70 | Electrochemical Behavior of Î±-Tungsten Carbide-Derived Carbon Based Electric Double-Layer Capacitors. Journal of the Electrochemical Society, 2012, 159, A208-A213. | 2.9 | 23 |
| 71 | Electrical double layer capacitors based on 1-ethyl-3-methylimidazolium tetrafluoroborate with small addition of acetonitrile. Electrochimica Acta, 2012, 85, 139-144. | 5.2 | 41 |
| 72 | Surface Analysis of Supercapacitor Electrodes After Long-Lasting Constant Current Tests in Organic Electrolyte. Journal of the Electrochemical Society, 2012, 159, A1141-A1147. | 2.9 | 17 |

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|---|---|---|---|
| 73 | Influence of Room Temperature Ionic Liquid Anion Chemical Composition and Electrical Charge Delocalization on the Supercapacitor Properties. Journal of the Electrochemical Society, 2012, 159, A944-A951. | 2.9 | 85 |
| 74 | Lithium bis(oxalato)borate as an electrolyte for micromesoporous carbide-derived carbon based supercapacitors. Journal of Electroanalytical Chemistry, 2012, 669, 67-72. | 3.8 | 19 |
| 75 | Specific performance of electrical double layer capacitors based on different separator materials in room temperature ionic liquid. Electrochemistry Communications, 2012, 22, 77-80. | 4.7 | 51 |
| 76 | Is the mixture of 1-ethyl-3-methylimidazolium tetrafluoroborate and 1-butyl-3-methylimidazolium tetrafluoroborate applicable as electrolyte in electrical double layer capacitors?. Electrochemistry Communications, 2012, 22, 203-206. | 4.7 | 65 |
| 77 | NaClO4 and NaPF6 as potential non-aqueous electrolyte salts for electrical double layer capacitor application. Electrochimica Acta, 2012, 82, 309-313. | 5.2 | 45 |
| 78 | Comparison of carbon aerogel and carbide-derived carbon as electrode materials for non-aqueous supercapacitors with high performance. Journal of Solid State Electrochemistry, 2012, 16, 2717-2722. | 2.5 | 15 |
| 79 | Selective adsorption of multivalent ions into TiC-derived nanoporous carbon. Carbon, 2012, 50, 3957-3960. | 10.3 | 25 |
| 80 | Impact of carbon nanotube additives on carbide-derived carbon-based electroactive polymer actuators. Carbon, 2012, 50, 4351-4358. | 10.3 | 38 |
| 81 | Nanoporous carbide-derived carbon based actuators modified with gold foil: Prospect for fast response and low voltage applications. Sensors and Actuators B: Chemical, 2012, 161, 629-634. | 7.8 | 46 |
| 82 | Electroactive polymer actuators with carbon aerogel electrodes. Journal of Materials Chemistry, 2011, 21, 2577. | 6.7 | 61 |
| 83 | Synthesis and Characterization of Carbide-Derived Carbons Prepared from Different Chromium Carbides. ECS Meeting Abstracts, 2011, , . | 0.0 | 0 |
| 84 | Electrochemical properties of carbide-derived carbon electrodes in non-aqueous electrolytes based on different Li-salts. Electrochimica Acta, 2011, 56, 9048-9055. | 5.2 | 60 |
| 85 | Mesoporous carbide-derived carbons prepared from different chromium carbides. Microporous and Mesoporous Materials, 2011, 141, 88-93. | 4.4 | 55 |
| 86 | Nanostructured carbide-derived carbon synthesized by chlorination of tungsten carbide. Carbon, 2011, 49, 4427-4433. | 10.3 | 76 |
| 87 | Physical and electrochemical characteristics of supercapacitors based on carbide derived carbon electrodes in aqueous electrolytes. Journal of Power Sources, 2011, 196, 4109-4116. | 7.8 | 94 |
| 88 | Publisherâ€™s Note: Electrical Double Layer Capacitors Based on Two 1-Ethyl-3-methylimidazolium Ionic Liquids with Different Anions [Electrochem. Solid-State Lett., 14, A120 (2011)]. Electrochemical and Solid-State Letters, 2011, 14, S7. | 2.2 | 1 |
| 89 | Electrochemical Characteristics of Titanium Carbide Derived Carbon \| 1-Ethyl-3-Methylimidazolium Tetrafluoroborate Electrical Double Layer Capacitors. ECS Transactions, 2010, 25, 15-23. | 0.5 | 6 |
| 90 | Substituted phosphonium cation based electrolytes for nonaqueous electrical double-layer capacitors. Journal of Materials Research, 2010, 25, 1447-1450. | 2.6 | 15 |

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|---|---|---|---|
| 91 | Energy and power performance of electrochemical double-layer capacitors based on molybdenum carbide derived carbon. Electrochimica Acta, 2010, 55, 3138-3143. | 5.2 | 99 |
| 92 | Novel doubly charged cation based electrolytes for non-aqueous supercapacitors. Electrochemistry Communications, 2010, 12, 535-539. | 4.7 | 37 |
| 93 | Characterization of Non-Aqueous Supercapacitors Based on Titanium Carbide Derived Carbon Electrodes and Novel Doubly Charged Cation Based Salts. ECS Transactions, 2010, 33, 47-54. | 0.5 | 0 |
| 94 | Electrochemical Behavior of Carbide Derived Carbons in LiPF6 and LiCF3SO3 Nonaqueous Electrolytes. ECS Transactions, 2010, 28, 65-75. | 0.5 | 4 |
| 95 | Electrochemical Characteristics of Carbide-Derived Carbonâˆ£1-Ethyl-3-methylimidazolium Tetrafluoroborate Supercapacitor Cells. Journal of the Electrochemical Society, 2010, 157, A272. | 2.9 | 102 |
| 96 | Comparison of Electrospun and Commercially Available Separator Materials for Supercapacitors. ECS Transactions, 2009, 19, 23-32. | 0.5 | 5 |
| 97 | Influence of Mesoporous Separator Properties on the Parameters of Electrical Double-Layer Capacitor Single Cells. Journal of the Electrochemical Society, 2009, 156, A334. | 2.9 | 48 |
| 98 | Electrochemical impedance study of hydrogen evolution on Bi(001) electrode in the HClO4 aqueous solutions. Journal of Solid State Electrochemistry, 2009, 13, 745-754. | 2.5 | 8 |
| 99 | LiPF6 based ethylene carbonateâ€“dimethyl carbonate electrolyte for high power density electrical double layer capacitor. Electrochimica Acta, 2009, 54, 4587-4594. | 5.2 | 61 |
| 100 | Energy and power performance of vanadium carbide derived carbon electrode materials for supercapacitors. Journal of Electroanalytical Chemistry, 2009, 630, 55-62. | 3.8 | 72 |
| 101 | Nanoscale fine-tuning of porosity of carbide-derived carbon prepared from molybdenum carbide. Carbon, 2009, 47, 23-29. | 10.3 | 128 |
| 102 | In situ infrared spectroscopic characterization of a bismuthâ€“ethanol interface. Electrochimica Acta, 2008, 53, 8166-8171. | 5.2 | 9 |
| 103 | Micro- and Mesoporous Carbide-Derived Carbon Materials and Polymer Membranes for Supercapacitors. ECS Transactions, 2008, 16, 57-67. | 0.5 | 14 |
| 104 | Characterization of Activated Nanoporous Carbon as Electrical Double Layer Capacitor Electrode Materials. ECS Transactions, 2007, 3, 39-48. | 0.5 | 2 |
| 105 | Advanced nanostructured carbon materials for electrical double layer capacitors. Journal of Physics: Conference Series, 2007, 93, 012002. | 0.4 | 2 |
| 106 | On the porosity of polypyrrole films. Synthetic Metals, 2007, 157, 1085-1090. | 3.9 | 44 |
| 107 | Micro- and Mesoporous Carbon Based Electrode Materials for Electrical Double Layer Capacitors. ECS Transactions, 2007, 6, 269-278. | 0.5 | 6 |
| 108 | Characterisation of activated nanoporous carbon for supercapacitor electrode materials. Carbon, 2007, 45, 1226-1233. | 10.3 | 242 |

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|---|---|---|---|
| 109 | Synthesis and characterisation of nanoporous carbide-derived carbon by chlorination of vanadium carbide. Carbon, 2007, 45, 2717-2722. | 10.3 | 109 |
| 110 | Electrochemical Characteristics of Nanoporous Carbide-Derived Carbon Materials in Various Nonaqueous Electrolyte Solutions. Journal of the Electrochemical Society, 2006, 153, A113. | 2.9 | 64 |
| 111 | Analysis of electrochemical impedance of polypyrrole \| sulfate and polypyrrole \| perchlorate films. Synthetic Metals, 2006, 156, 488-494. | 3.9 | 45 |
| 112 | Use of organic esters as co-solvents for electrical double layer capacitors with low temperature performance. Journal of Electroanalytical Chemistry, 2006, 588, 285-295. | 3.8 | 82 |
| 113 | Organic carbonateâ€"Organic ester-based non-aqueous electrolytes for electrical double layer capacitors. Electrochemistry Communications, 2005, 7, 510-514. | 4.7 | 58 |
| 114 | Influence of nanoporous carbon electrode thickness on the electrochemical characteristics of a nanoporous carbon \| tetraethylammonium tetrafluoroborate in acetonitrile solution interface. Journal of Solid State Electrochemistry, 2004, 8, 224-237. | 2.5 | 48 |
| 115 | Influence of electrolyte characteristics on the electrochemical parameters of electrical double layer capacitors. Journal of Solid State Electrochemistry, 2004, 8, 488-496. | 2.5 | 41 |
| 116 | Influence of solvent nature on the electrochemical characteristics of nanoporous carbon \| 1 M (C2H5)3CH3NBF4 electrolyte solution interface. Surface Science, 2004, 560, 145-157. | 1.9 | 40 |
| 117 | Influence of solvent nature on the electrochemical parameters of electrical double layer capacitors. Journal of Electroanalytical Chemistry, 2004, 562, 33-42. | 3.8 | 104 |
| 118 | Adsorption kinetics of tetrabutylammonium cations on Bi() plane. Journal of Electroanalytical Chemistry, 2004, 569, 241-256. | 3.8 | 12 |
| 119 | Voltammetric and electrochemical impedance spectroscopy studies of the nanoporous carbon \| 1 M (C2H5)3CH3NBF4 electrolyte solution interface. Journal of Electroanalytical Chemistry, 2004, 569, 257-269. | 3.8 | 44 |
| 120 | Influence of the solvent properties on the characteristics of a double layer capacitor. Journal of Power Sources, 2004, 133, 320-328. | 7.8 | 219 |
| 121 | Electrochemical characteristics of nanoporous carbide-derived carbon materials in non-aqueous electrolyte solutions. Electrochemistry Communications, 2004, 6, 313-318. | 4.7 | 135 |
| 122 | Adsorption of 1-heptanol on bismuth single-crystal plane electrodes. Journal of Solid State Electrochemistry, 2003, 7, 189-200. | 2.5 | 4 |
| 123 | Electrochemical properties of nanoporous carbon electrodes in various nonaqueous electrolytes. Journal of Solid State Electrochemistry, 2003, 7, 91-105. | 2.5 | 67 |
| 124 | Adsorption kinetics of dodecyl sulfate anions on the bismuth plane. Journal of Electroanalytical Chemistry, 2003, 553, 1-19. | 3.8 | 27 |
| 125 | Adsorption kinetics of d-ribose on the bismuth(001) plane. Journal of Electroanalytical Chemistry, 2003, 548, 27-39. | 3.8 | 5 |
| 126 | Investigation of the surface topography and double layer characteristics of variously pre-treated antimony single crystal electrodes. Surface Science, 2003, 532-535, 1121-1126. | 1.9 | 8 |

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|---|---|---|---|
| 127 | Influence of Surface Charge Density on the Electrochemically Derived Surface Roughness of Bi Electrodes. Journal of the Electrochemical Society, 2003, 150, E175. | 2.9 | 12 |
| 128 | Adsorption Kinetics of Normal-Heptanol on the Bismuth Single Crystal Planes. Russian Journal of Electrochemistry, 2002, 38, 8-19. | 0.9 | 12 |
| 129 | Adsorption of D-ribose on bismuth single crystal plane electrodes. Electrochimica Acta, 2001, 47, 967-975. | 5.2 | 11 |
| 130 | Adsorption of 2-methyl-2-butanol on bismuth single crystal planes. Journal of Electroanalytical Chemistry, 2001, 515, 33-44. | 3.8 | 3 |
| 131 | Adsorption kinetics of 2-methyl-2-butanol on bismuth single crystal planes. Journal of Electroanalytical Chemistry, 2001, 515, 17-32. | 3.8 | 29 |
| 132 | Influence of charge density and electrolyte concentration on the electrical double layer characteristics at rough cadmium electrodes. Electrochimica Acta, 2000, 46, 185-191. | 5.2 | 30 |
| 133 | Orientation of organic compounds at single-crystal bismuth electrodes. Electrochimica Acta, 1999, 44, 4707-4720. | 5.2 | 11 |
| 134 | The zero charge potential shift upon adsorption of various organic compounds at bismuth \| solution interface. Electrochimica Acta, 1999, 45, 935-943. | 5.2 | 3 |
| 135 | Adsorption of 1-pentanol on bismuth single-crystal plane electrodes. Journal of Solid State Electrochemistry, 1999, 3, 277-287. | 2.5 | 5 |
| 136 | Surface roughness of bismuth, antimony and cadmium electrodes. Electrochimica Acta, 1998, 44, 373-383. | 5.2 | 42 |
| 137 | Adsorption of normal hexanol on bismuth single crystal plane electrodes. Journal of Electroanalytical Chemistry, 1998, 442, 189-200. | 3.8 | 11 |
| 138 | Adsorption of adenosine on (111) and (001) bismuth single crystal planes. Journal of Electroanalytical Chemistry, 1998, 449, 153-163. | 3.8 | 6 |
| 139 | Adsorption of pyridine on the (111), (001) and (00) faces of bismuth. Journal of Electroanalytical Chemistry, 1997, 425, 25-37. | 3.8 | 30 |
| 140 | Adsorption of propanol on bismuth single-crystal-plane electrodes. Journal of Electroanalytical Chemistry, 1997, 436, 141-153. | 3.8 | 11 |
| 141 | Electric double layer structure and adsorption of cyclohexanol on single crystal cadmium, antimony and bismuth electrodes. Electrochimica Acta, 1997, 42, 771-783. | 5.2 | 60 |
| 142 | Influence of surface pretreatment of bismuth and cadmium electrodes to the electric double layer and adsorption characteristics of organic compounds. Electrochimica Acta, 1997, 42, 2861-2879. | 5.2 | 30 |
| 143 | Adsorption of isomers of butanol on bismuth single crystal plane electrodes. Journal of Electroanalytical Chemistry, 1996, 413, 175-185. | 3.8 | 22 |
| 144 | Influence of the surface structure of cadmium electrodes on the electric double layer parameters in aqueous surface-inactive electrolyte solutions. Journal of Electroanalytical Chemistry, 1996, 413, 111-121. | 3.8 | 17 |