

Nicolas Jckel

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1756659/nicolas-jackel-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

2,498
citations

27
h-index

47
g-index

47
ext. papers

2,802
ext. citations

10.4
avg, IF

5.15
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 42 | Methoden für die Entwicklung kollaborativer eingebetteter Systeme in automatisierten Fahrzeugen. <i>ATZelektronik</i> , 2020 , 15, 60-65 | 0 | |
| 41 | Methods for the Development of Collaborative Embedded Systems in Automated Vehicles. <i>ATZelectronics Worldwide</i> , 2020 , 15, 58-63 | 0.1 | 1 |
| 40 | Silicon Oxycarbide Beads from Continuously Produced Polysilsesquioxane as Stable Anode Material for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2018 , 1, 2961-2970 | 6.1 | 17 |
| 39 | Quantification of ion confinement and desolvation in nanoporous carbon supercapacitors with modelling and in situ X-ray scattering. <i>Nature Energy</i> , 2017 , 2, | 62.3 | 157 |
| 38 | Asymmetric tin/vanadium redox electrolyte for hybrid energy storage with nanoporous carbon electrodes. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 299-307 | 5.8 | 41 |
| 37 | Solvent-Free Mechanochemical Synthesis of Nitrogen-Doped Nanoporous Carbon for Electrochemical Energy Storage. <i>ChemSusChem</i> , 2017 , 10, 2416-2424 | 8.3 | 94 |
| 36 | Tuning pseudocapacitive and battery-like lithium intercalation in vanadium dioxide/carbon onion hybrids for asymmetric supercapacitor anodes. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13039-13051 | 13 | 34 |
| 35 | Enhanced performance stability of carbon/titania hybrid electrodes during capacitive deionization of oxygen saturated saline water. <i>Electrochimica Acta</i> , 2017 , 224, 314-328 | 6.7 | 73 |
| 34 | Mechanochemistry-assisted synthesis of hierarchical porous carbons applied as supercapacitors. <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 1332-1341 | 2.5 | 19 |
| 33 | Quantitative Information about Electrosorption of Ionic Liquids in Carbon Nanopores from Electrochemical Dilatometry and Quartz Crystal Microbalance Measurements. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 19120-19128 | 3.8 | 18 |
| 32 | In Situ Multilength-Scale Tracking of Dimensional and Viscoelastic Changes in Composite Battery Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27664-27675 | 9.5 | 18 |
| 31 | In situ multi-length scale approach to understand the mechanics of soft and rigid binder in composite lithium ion battery electrodes. <i>Journal of Power Sources</i> , 2017 , 371, 162-166 | 8.9 | 18 |
| 30 | Faradaic deionization of brackish and sea water via pseudocapacitive cation and anion intercalation into few-layered molybdenum disulfide. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 15640-15649 | 13 | 117 |
| 29 | Influence of carbon distribution on the electrochemical performance and stability of lithium titanate based energy storage devices. <i>Electrochimica Acta</i> , 2017 , 247, 1006-1018 | 6.7 | 26 |
| 28 | In Situ Measurement of Electrosorption-Induced Deformation Reveals the Importance of Micropores in Hierarchical Carbons. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23319-23324 | 9.5 | 25 |
| 27 | A carbon nanopore model to quantify structure and kinetics of ion electrosorption with in situ small-angle X-ray scattering. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 15549-15561 | 3.6 | 30 |
| 26 | Porous carbon as a quasi-reference electrode in aqueous electrolytes. <i>Electrochimica Acta</i> , 2016 , 222, 1800-1805 | 6.7 | 25 |

| | | | |
|----|--|------|-----|
| 25 | Increase in Capacitance by Subnanometer Pores in Carbon. <i>ACS Energy Letters</i> , 2016 , 1, 1262-1265 | 20.1 | 133 |
| 24 | Niobium carbide nanofibers as a versatile precursor for high power supercapacitor and high energy battery electrodes. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16003-16016 | 13 | 41 |
| 23 | High performance stability of titania decorated carbon for desalination with capacitive deionization in oxygenated water. <i>RSC Advances</i> , 2016 , 6, 106081-106089 | 3.7 | 28 |
| 22 | Electrochemical in Situ Tracking of Volumetric Changes in Two-Dimensional Metal Carbides (MXenes) in Ionic Liquids. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 32089-32093 | 9.5 | 60 |
| 21 | Carbon as Quasi-Reference Electrode in Unconventional Lithium-Salt Containing Electrolytes for Hybrid Battery/Supercapacitor Devices. <i>Journal of the Electrochemical Society</i> , 2016 , 163, A2956-A2964 | 3.9 | 25 |
| 20 | MXene as a novel intercalation-type pseudocapacitive cathode and anode for capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18265-18271 | 13 | 247 |
| 19 | Performance evaluation of conductive additives for activated carbon supercapacitors in organic electrolyte. <i>Electrochimica Acta</i> , 2016 , 191, 284-298 | 6.7 | 47 |
| 18 | Review: carbon onions for electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3172-3196 | 13 | 271 |
| 17 | Enhanced Electrochemical Energy Storage by Nanoscopic Decoration of Endohedral and Exohedral Carbon with Vanadium Oxide via Atomic Layer Deposition. <i>Chemistry of Materials</i> , 2016 , 28, 2802-2813 | 9.6 | 37 |
| 16 | Sub-micrometer Novolac-Derived Carbon Beads for High Performance Supercapacitors and Redox Electrolyte Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9104-15 | 9.5 | 43 |
| 15 | In situ hydrodynamic spectroscopy for structure characterization of porous energy storage electrodes. <i>Nature Materials</i> , 2016 , 15, 570-5 | 27 | 65 |
| 14 | Anomalous or regular capacitance? The influence of pore size dispersity on double-layer formation. <i>Journal of Power Sources</i> , 2016 , 326, 660-671 | 8.9 | 98 |
| 13 | Electrospinning and electro spraying of silicon oxycarbide-derived nanoporous carbon for supercapacitor electrodes. <i>Journal of Power Sources</i> , 2016 , 313, 178-188 | 8.9 | 41 |
| 12 | Improved capacitive deionization performance of mixed hydrophobic/hydrophilic activated carbon electrodes. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 114003 | 1.8 | 50 |
| 11 | Sputtering of sub-micrometer aluminum layers as compact, high-performance, light-weight current collector for supercapacitors. <i>Journal of Power Sources</i> , 2016 , 329, 432-440 | 8.9 | 10 |
| 10 | Vacuum or flowing argon: What is the best synthesis atmosphere for nanodiamond-derived carbon onions for supercapacitor electrodes?. <i>Carbon</i> , 2015 , 94, 507-517 | 10.4 | 48 |
| 9 | Emulsion soft templating of carbide-derived carbon nanospheres with controllable porosity for capacitive electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 17983-17990 | 13 | 18 |
| 8 | Electrospinning of ultrafine metal oxide/carbon and metal carbide/carbon nanocomposite fibers. <i>RSC Advances</i> , 2015 , 5, 35683-35692 | 3.7 | 27 |

| | | | |
|---|---|------|-----|
| 7 | Non-Invasive In Situ Dynamic Monitoring of Elastic Properties of Composite Battery Electrodes by EQCM-D. <i>Angewandte Chemie</i> , 2015 , 127, 12530-12533 | 3.6 | 5 |
| 6 | Non-invasive in situ dynamic monitoring of elastic properties of composite battery electrodes by EQCM-D. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12353-6 | 16.4 | 28 |
| 5 | Enhanced capacitance of nitrogen-doped hierarchically porous carbide-derived carbon in matched ionic liquids. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 18906-18912 | 13 | 57 |
| 4 | Understanding structure and porosity of nanodiamond-derived carbon onions. <i>Carbon</i> , 2015 , 84, 584-598 | 10.4 | 89 |
| 3 | Graphitization as a Universal Tool to Tailor the Potential-Dependent Capacitance of Carbon Supercapacitors. <i>Advanced Energy Materials</i> , 2014 , 4, 1400316 | 21.8 | 168 |
| 2 | Polyvinylpyrrolidone as binder for castable supercapacitor electrodes with high electrochemical performance in organic electrolytes. <i>Journal of Power Sources</i> , 2014 , 266, 374-383 | 8.9 | 72 |
| 1 | Comparison of carbon onions and carbon blacks as conductive additives for carbon supercapacitors in organic electrolytes. <i>Journal of Power Sources</i> , 2014 , 272, 1122-1133 | 8.9 | 75 |