Sonia Dsoke

List of Publications by Year
in descending order

66	1,775	236925 25	289244 40
papers	citations	h-index	g-index

68	68	68	2384
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrochemical study on nickel aluminum layered double hydroxides as high-performance electrode material for lithium-ion batteries based on sodium alginate binder. Journal of Solid State Electrochemistry, 2022, 26, 49-61.	2.5	12
2	Highâ€Voltage Aqueous Mgâ€Ion Batteries Enabled by Solvation Structure Reorganization. Advanced Functional Materials, 2022, 32, 2110674.	14.9	38
3	Foreword to the memorial issue for Professor Roberto Marassi. Journal of Solid State Electrochemistry, 2022, 26, 1-2.	2.5	2
4	Glyoxalâ€Based Electrolytes in Combination with Fe₂O₃@Câ€Based Electrodes for Lithiumâ€Ion Batteries. Batteries and Supercaps, 2022, 5, .	4.7	3
5	Study on Na2V0.67Mn0.33Ti(PO4)3 electrodes with ultralow voltage hysteresis for high performance sodium-ion batteries. Chemical Engineering Journal, 2022, 444, 136608.	12.7	11
6	An asymmetric MnO2 | activated carbon supercapacitor with highly soluble choline nitrate-based aqueous electrolyte for sub-zero temperatures. Electrochimica Acta, 2022, 425, 140708.	5.2	8
7	Investigation of â€œNa2/3Co2/3Ti1/3O2â€•as a multi-phase positive electrode material for sodium batteries. Journal of Power Sources, 2021, 481, 229120.	7.8	9
8	Study of Polyoxometalates as Electrode Materials for Lithiumâ€Ion Batteries: Thermal Stability Paves the Way to Improved Cycle Stability. ChemElectroChem, 2021, 8, 656-664.	3.4	6
9	Electrochemical performance and reaction mechanism investigation of V₂O₅ positive electrode material for aqueous rechargeable zinc batteries. Journal of Materials Chemistry A, 2021, 9, 16776-16786.	10.3	19
10	Impact of 3â€Cyanopropionic Acid Methyl Ester on the Electrochemical Performance of ZnMn 2 O 4 as Negative Electrode for Liâ€Ion Batteries. Energy Technology, 2021, 9, 2100247.	3.8	3
11	Study of the Lithium Storage Mechanism of Nâ€Doped Carbonâ€Modified Cu₂S Electrodes for Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2021, 27, 13774-13782.	3.3	8
12	ZnS nanoparticles embedded in N-doped porous carbon xerogel as electrode materials for sodium-ion batteries. Journal of Alloys and Compounds, 2021, 877, 160299.	5.5	12
13	In operando study of orthorhombic V2O5 as positive electrode materials for K-ion batteries. Journal of Energy Chemistry, 2021, 62, 627-636.	12.9	12
14	Hybrid aqueous supercapacitors based on mesoporous spinel-analogous Zn-Ni-Co-O nanorods: Effect of Ni content on the structure and energy storage. Journal of Alloys and Compounds, 2021, 882, 160712.	5.5	10
15	Na₃V₂(PO₄)₃â”€A Highly Promising Anode and Cathode Material for Sodium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 12688-12695.	5.1	26
16	The role of nanomaterials for supercapacitors and hybrid devices. Frontiers of Nanoscience, 2021, 19, 99-136.	0.6	5
17	Effect of Continuous Capacity Rising Performed by FeS/Fe₃C/C Composite Electrodes for Lithiumâ€Ion Batteries. ChemSusChem, 2020, 13, 986-995.	6.8	28
18	Interaction between Electrolytes and Sb₂O₃â€Based Electrodes in Sodium Batteries: Uncovering the Detrimental Effects of Diglyme. ChemElectroChem, 2020, 7, 3487-3495.	3.4	8

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19	Elucidating the Mechanism of Li Insertion into Fe_{1â€“<i>x</i>}S/Carbon <i>via In Operando</i> Synchrotron Studies. ACS Applied Materials & Interfaces, 2020, 12, 52691-52700.	8.0	9
20	Influence of phase variation of ZnMn₂O₄/carbon electrodes on cycling performances of Li-ion batteries. Inorganic Chemistry Frontiers, 2020, 7, 3657-3666.	6.0	5
21	Probing the Effect of Titanium Substitution on the Sodium Storage in Na3Ni2BiO6 Honeycomb-Type Structure. Energies, 2020, 13, 6498.	3.1	2
22	Benefits of Organoâ€Aqueous Binary Solvents for Redox Supercapacitors Based on Polyoxometalates. ChemElectroChem, 2020, 7, 2466-2476.	3.4	8
23	Investigation of N and S Co-doped Porous Carbon for Sodium-Ion Battery, Synthesized by Using Ammonium Sulphate for Simultaneous Activation and Heteroatom Doping. Journal of the Electrochemical Society, 2020, 167, 100531.	2.9	7
24	High Energy and High Power Lithiumâ€Ion Hybrid Supercapacitors with Prolonged Cycle Life Based on Highâ€Rate Capability Materials: Li 4 Ti 5 O 12 , Activated Carbon, Li 3 V 1.95 Ni 0.05 (PO 4) 3 /C. ChemElectroChem, 2020, 7, 1631-1643.	3.4	4
25	Choosing the right carbon additive is of vital importance for high-performance Sb-based Na-ion batteries. Journal of Materials Chemistry A, 2020, 8, 6092-6104.	10.3	35
26	Mechanism Study of Carbon Coating Effects on Conversion-Type Anode Materials in Lithium-Ion Batteries: Case Study of ZnMn₂O₄ and ZnOâ€“MnO Composites. ACS Applied Materials & Interfaces, 2019, 11, 29888-29900.	8.0	18
27	One step <i>in situ</i> synthesis of ZnS/N and S co-doped carbon composites <i>via</i> salt templating for lithium-ion battery applications. New Journal of Chemistry, 2019, 43, 13038-13047.	2.8	9
28	Understanding the Lithium Storage Mechanism in Coreâ€“Shell Fe₂O₃@C Hollow Nanospheres Derived from Metalâ€“Organic Frameworks: An In operando Synchrotron Radiation Diffraction and in operando X-ray Absorption Spectroscopy Study. Chemistry of Materials, 2019, 31, 5633-5645.	6.7	28
29	Electrochemical and Structural Investigation of Calcium Substituted Monoclinic Li₃V₂(PO₄)₃ Anode Materials for Liâ€Ion Batteries. Advanced Energy Materials, 2019, 9, 1901864.	19.5	19
30	Immobilization of Polyiodide Redox Species in Porous Carbon for Battery-Like Electrodes in Eco-Friendly Hybrid Electrochemical Capacitors. Nanomaterials, 2019, 9, 1413.	4.1	11
31	Aprotic and Protic Ionic Liquids Combined with Olive Pits Derived Hard Carbon for Potassium-Ion Batteries. Journal of the Electrochemical Society, 2019, 166, A3504-A3510.	2.9	21
32	<i>In Operando</i> analysis of the charge storage mechanism in a conversion ZnCo₂O₄ anode and the application in flexible Li-ion batteries. Inorganic Chemistry Frontiers, 2019, 6, 1861-1872.	6.0	10
33	Synthesis and electrochemical properties of rGO/polypyrrole/ferrites nanocomposites obtained via a hydrothermal route for hybrid aqueous supercapacitors. Journal of Electroanalytical Chemistry, 2019, 845, 72-83.	3.8	54
34	Can Metallic Sodium Electrodes Affect the Electrochemistry of Sodiumâ€Ion Batteries? Reactivity Issues and Perspectives. ChemSusChem, 2019, 12, 3312-3319.	6.8	62
35	Are Functional Groups Beneficial or Harmful on the Electrochemical Performance of Activated Carbon Electrodes?. Journal of the Electrochemical Society, 2019, 166, A1004-A1014.	2.9	36
36	Understanding the Li-ion storage mechanism in a carbon composited zinc sulfide electrode. Journal of Materials Chemistry A, 2019, 7, 15640-15653.	10.3	48

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37	Evidence of a Pseudoâ€Capacitive Behavior Combined with an Insertion/Extraction Reaction Upon Cycling of the Positive Electrode Material P2â€Na_xCo_{0.9}Ti_{0.1}O₂ for Sodiumâ€ion Batteries. ChemElectroChem, 2019, 6, 892-903.	3.4	18
38	<i>In Operando</i> Synchrotron Diffraction and <i>in Operando</i> X-ray Absorption Spectroscopy Investigations of Orthorhombic V₂O₅ Nanowires as Cathode Materials for Mg-Ion Batteries. Journal of the American Chemical Society, 2019, 141, 2305-2315.	13.7	69
39	Electrochemical and structural investigations of different polymorphs of TiO2 in magnesium and hybrid lithium/magnesium batteries. Electrochimica Acta, 2018, 277, 20-29.	5.2	35
40	Expanding the Cathodic Potential Window of Activated Carbon Electrodes in a Lithiumâ€Salt Containing Electrolyte. Batteries and Supercaps, 2018, 1, 215-222.	4.7	7
41	Shift to Post-Li-Ion Capacitors: Electrochemical Behavior of Activated Carbon Electrodes in Li-, Na- and K-Salt Containing Organic Electrolytes. Journal of the Electrochemical Society, 2018, 165, A2807-A2814.	2.9	14
42	Elucidating the energy storage mechanism of ZnMn₂O₄ as promising anode for Li-ion batteries. Journal of Materials Chemistry A, 2018, 6, 19381-19392.	10.3	57
43	Development of Non-Fluorinated Cathodes Based on Li₃V_{1.95}Ni_{0.05}(PO₄)₃/C with Prolonged Cycle Life: A Comparison among Na-Alginate, Na-Carboxymethyl Cellulose and Poly(acrylic acid) Binders. Journal of the Electrochemical Society, 2017, 164, A672-A683.	2.9	9
44	Influence of the binder nature on the performance and cycle life of activated carbon electrodes in electrolytes containing Li-salt. Journal of Power Sources, 2017, 342, 301-312.	7.8	24
45	Electrochemical behavior and stability of a commercial activated carbon in various organic electrolyte combinations containing Li-salts. Electrochimica Acta, 2016, 218, 163-173.	5.2	47
46	The synergic effect of activated carbon and Li 3 V 1.95 Ni 0.05 (PO 4) 3 /C for the development of high energy and power electrodes. Electrochimica Acta, 2016, 219, 425-434.	5.2	20
47	The importance of the electrode mass ratio in a Li-ion capacitor based on activated carbon and Li4Ti5O12. Journal of Power Sources, 2015, 282, 385-393.	7.8	151
48	High rate capability Li3V2Â¬xNix(PO4)3/C (x = 0, 0.05, and 0.1) cathodes for Li-ion asymmetric supercapacitors. Journal of Materials Chemistry A, 2015, 3, 11807-11816.	10.3	34
49	Nano-structured Pt embedded in acidic salts of heteropolymolybdate matrices: MS EXAFS study. Nuclear Instruments & Methods in Physics Research B, 2015, 364, 65-69.	1.4	2
50	Electrocatalytic properties of platinum nanocenters electrogenerated at ultra-trace levels within zeolitic phosphododecatungstate cesium salt matrices. Journal of Solid State Electrochemistry, 2014, 18, 2993-3001.	2.5	3
51	Structural change of carbon supported Pt nanocatalyst subjected to a step-like potential cycling in PEM FC. Journal of Non-Crystalline Solids, 2014, 401, 169-174.	3.1	4
52	Strategies to reduce the resistance sources on Electrochemical Double Layer Capacitor electrodes. Journal of Power Sources, 2013, 238, 422-429.	7.8	74
53	Local Ordering Changes in Ptâ€“Co Nanocatalyst Induced by Fuel Cell Working Conditions. Journal of Physical Chemistry C, 2012, 116, 12791-12802.	3.1	25
54	Rotating disk electrode study of Cs2.5H0.5PW12O40 as mesoporous support for Pt nanoparticles for PEM fuel cells electrodes. Journal of Power Sources, 2011, 196, 10591-10600.	7.8	27

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55	Rotating disc electrode study of Pt-Co-Cs2.5PW12O40 composite electrodes toward oxygen reduction reaction. International Journal of Hydrogen Energy, 2011, 36, 8098-8102.	7.1	18
56	Low-temperature behavior of graphiteâ€“tin composite anodes for Li-ion batteries. Journal of Power Sources, 2010, 195, 7090-7097.	7.8	102
57	Activation of carbon-supported platinum nanoparticles by zeolite-type cesium salts of polyoxometallates of molybdenum and tungsten towards more efficient electrocatalytic oxidation of methanol and ethanol. Journal of Electroanalytical Chemistry, 2010, 649, 238-247.	3.8	33
58	Interfacial Properties of Copperâ€coated Graphite Electrodes: Coating Thickness Dependence. Fuel Cells, 2009, 9, 264-268.	2.4	21
59	Lithium intercalation and interfacial kinetics of composite anodes formed by oxidized graphite and copper. Journal of Power Sources, 2009, 190, 141-148.	7.8	74
60	An XAS experimental approach to study low Pt content electrocatalysts operating in PEM fuel cells. Physical Chemistry Chemical Physics, 2009, 11, 9987.	2.8	41
61	Ptâ€“Co cathode electrocatalyst behaviour viewed by in situ XAFS fuel cell measurements. Journal of Power Sources, 2008, 178, 603-609.	7.8	27
62	Electrochemical investigation of polarization phenomena and intercalation kinetics of oxidized graphite electrodes coated with evaporated metal layers. Journal of Power Sources, 2008, 180, 845-851.	7.8	46
63	Temperature and potential-dependent structural changes in a Pt cathode electrocatalyst viewed by in situ XAFS. Journal of Non-Crystalline Solids, 2008, 354, 4227-4232.	3.1	16
64	Correlation of Ac-Impedance and In Situ X-ray Spectra of LiCoO2. Journal of Physical Chemistry B, 2006, 110, 11310-11313.	2.6	46
65	An ac impedance spectroscopic study of Mg-doped LiCoO2 at different temperatures: electronic and ionic transport properties. Electrochimica Acta, 2005, 50, 2307-2313.	5.2	71
66	Metal-oxidized graphite composite electrodes for lithium-ion batteries. Electrochimica Acta, 2005, 51, 536-544.	5.2	54