Martin Oschatz

List of Publications by Citations

127 papers	6,972 citations	45 h-index	81 g-index
129 ext. papers	7,961 ext. citations	10.9 avg, IF	6.44 L-index

#	Paper	IF	Citations
127	Direct prediction of the desalination performance of porous carbon electrodes for capacitive deionization. *Energy and Environmental Science*, **2013**, 6, 3700	35.4	384
126	A search for selectivity to enable CO2 capture with porous adsorbents. *Energy and Environmental Science*, **2018**, 11, 57-70	35.4	301
125	Sulfur-infiltrated micro- and mesoporous silicon carbide-derived carbon cathode for high-performance lithium sulfur batteries. *Advanced Materials*, **2013**, 25, 4573-9	24	284
124	ZnO Hard Templating for Synthesis of Hierarchical Porous Carbons with Tailored Porosity and High Performance in Lithium-Sulfur Battery. *Advanced Functional Materials*, **2015**, 25, 287-297	15.6	280
123	Carbon Materials for Lithium Sulfur Batteries-Ten Critical Questions. *Chemistry - A European Journal* , **2016**, 22, 7324-51	4.8	274
122	Hierarchical micro- and mesoporous carbide-derived carbon as a high-performance electrode material in supercapacitors. *Small*, **2011**, 7, 1108-17	11	263
121	Tailoring porosity in carbon materials for supercapacitor applications. *Materials Horizons*, **2014**, 1, 157-168	14.4	235
120	Fungi-based porous carbons for CO2 adsorption and separation. *Journal of Materials Chemistry*, **2012**, 22, 13911		177
119	Single-Site Gold Catalysts on Hierarchical N-Doped Porous Noble Carbon for Enhanced Electrochemical Reduction of Nitrogen. *Small Methods*, **2018**, 2, 1800202	12.8	169
118	Highly porous nitrogen-doped polyimine-based carbons with adjustable microstructures for CO2 capture. *Journal of Materials Chemistry A*, **2013**, 1, 10951	13	167
117	In Situ Formation of Protective Coatings on Sulfur Cathodes in Lithium Batteries with LiFSI-Based Organic Electrolytes. *Advanced Energy Materials*, **2015**, 5, 1401792	21.8	165
116	Nickel cobalt oxide hollow nanosponges as advanced electrocatalysts for the oxygen evolution reaction. *Chemical Communications*, **2015**, 51, 7851-4	5.8	158
115	Carbide-derived carbon aerogels with tunable pore structure as versatile electrode material in high power supercapacitors. *Carbon*, **2017**, 113, 283-291	10.4	155
114	Stretchable and semitransparent conductive hybrid hydrogels for flexible supercapacitors. *ACS Nano*, **2014**, 8, 7138-46	16.7	154
113	Imine-linked polymer-derived nitrogen-doped microporous carbons with excellent CO2 capture properties. *ACS Applied Materials & Interfaces*, **2013**, 5, 3160-7	9.5	144
112	A cubic ordered, mesoporous carbide-derived carbon for gas and energy storage applications. *Carbon*, **2010**, 48, 3987-3992	10.4	130
111	Gold Aerogels: Three-Dimensional Assembly of Nanoparticles and Their Use as Electrocatalytic Interfaces. *ACS Nano*, **2016**, 10, 2559-67	16.7	125

110	Carbide-derived carbon monoliths with hierarchical pore architectures. *Angewandte Chemie - International Edition*, **2012**, 51, 7577-80	16.4	120
109	High capacity micro-mesoporous carbon–sulfur nanocomposite cathodes with enhanced cycling stability prepared by a solvent-free procedure. *Journal of Materials Chemistry A*, **2013**, 1, 9225	13	119
108	Micro- and Mesoporous Carbide-Derived Carbon–Selenium Cathodes for High-Performance Lithium Selenium Batteries. *Advanced Energy Materials*, **2015**, 5, 1400981	21.8	118
107	Kinetically controlled synthesis of PdNi bimetallic porous nanostructures with enhanced electrocatalytic activity. *Small*, **2015**, 11, 1430-4	11	118
106	Enhanced Electrocatalytic N Reduction via Partial Anion Substitution in Titanium Oxide-Carbon Composites. *Angewandte Chemie - International Edition*, **2019**, 58, 13101-13106	16.4	112
105	The Concept of "Noble, Heteroatom-Doped Carbons," Their Directed Synthesis by Electronic Band Control of Carbonization, and Applications in Catalysis and Energy Materials. *Advanced Materials*, **2018**, 30, e1706836	24	102
104	Toward the Experimental Understanding of the Energy Storage Mechanism and Ion Dynamics in Ionic Liquid Based Supercapacitors. *Advanced Energy Materials*, **2018**, 8, 1800026	21.8	92
103	Hierarchical Carbide-Derived Carbon Foams with Advanced Mesostructure as a Versatile Electrochemical Energy-Storage Material. *Advanced Energy Materials*, **2014**, 4, 1300645	21.8	90
102	A new route for the preparation of mesoporous carbon materials with high performance in lithium-sulphur battery cathodes. *Chemical Communications*, **2013**, 49, 5832-4	5.8	88
101	Interaction of electrolyte molecules with carbon materials of well-defined porosity: characterization by solid-state NMR spectroscopy. *Physical Chemistry Chemical Physics*, **2013**, 15, 15177-84	3.6	76
100	Nanocasting hierarchical carbide-derived carbons in nanostructured opal assemblies for high-performance cathodes in lithium-sulfur batteries. *ACS Nano*, **2014**, 8, 12130-40	16.7	74
99	Preparation and application of cellular and nanoporous carbides. *Chemical Society Reviews*, **2012**, 41, 5053-67	58.5	72
98	Enhancing performance of Li–S cells using a Li–Al alloy anode coating. *Electrochemistry Communications*, **2013**, 36, 38-41	5.1	66
97	Self-Supporting Hierarchical Porous PtAg Alloy Nanotubular Aerogels as Highly Active and Durable Electrocatalysts. *Chemistry of Materials*, **2016**, 28, 6477-6483	9.6	62
96	Breaking the Limits of Ionic Liquid-Based Supercapacitors: Mesoporous Carbon Electrodes Functionalized with Manganese Oxide Nanosplotches for Dense, Stable, and Wide-Temperature Energy Storage. *Advanced Functional Materials*, **2018**, 28, 1801298	15.6	60
95	Template- and Metal-Free Synthesis of Nitrogen-Rich Nanoporous "Noble" Carbon Materials by Direct Pyrolysis of a Preorganized Hexaazatriphenylene Precursor. *Angewandte Chemie - International Edition*, **2018**, 57, 10765-10770	16.4	60
94	Role of surface functional groups in ordered mesoporous carbide-derived carbon/ionic liquid electrolyte double-layer capacitor interfaces. *ACS Applied Materials & Interfaces*, **2014**, 6, 2922-8	9.5	57
93	Understanding the Charge Storage Mechanism to Achieve High Capacity and Fast Ion Storage in Sodium-Ion Capacitor Anodes by Using Electrospun Nitrogen-Doped Carbon Fibers. *Advanced Functional Materials*, **2019**, 29, 1902858	15.6	54

92	Fast Na-Ion Intercalation in Zinc Vanadate for High-Performance Na-Ion Hybrid Capacitor. *Advanced Energy Materials*, **2018**, 8, 1802800	21.8	52
91	Micro- and mesoporous carbide-derived carbon prepared by a sacrificial template method in high performance lithium sulfur battery cathodes. *Journal of Materials Chemistry A*, **2014**, 2, 17649-17654	13	51
90	Hydrophilic non-precious metal nitrogen-doped carbon electrocatalysts for enhanced efficiency in oxygen reduction reaction. *Chemical Communications*, **2015**, 51, 17285-8	5.8	50
89	Towards stable lithium-sulfur battery cathodes by combining physical and chemical confinement of polysulfides in core-shell structured nitrogen-doped carbons. *Carbon*, **2020**, 161, 162-168	10.4	50
88	Transition metal loaded silicon carbide-derived carbons with enhanced catalytic properties. *Carbon*, **2012**, 50, 1861-1870	10.4	49
87	Synthesis, characterization, and hydrogen storage capacities of hierarchical porous carbide derived carbon monolith. *Journal of Materials Chemistry*, **2012**, 22, 23893		48
86	Potassium Poly(Heptazine Imide): Transition Metal-Free Solid-State Triplet Sensitizer in Cascade Energy Transfer and [3+2]-cycloadditions. *Angewandte Chemie - International Edition*, **2020**, 59, 15061-15068	16.4	46
85	Nanostructure characterization of carbide-derived carbons by morphological analysis of transmission electron microscopy images combined with physisorption and Raman spectroscopy. *Carbon*, **2016**, 105, 314-322	10.4	46
84	Confinement Effects for Lithium Borohydride: Comparing Silica and Carbon Scaffolds. *Journal of Physical Chemistry C*, **2017**, 121, 4197-4205	3.8	45
83	Ordered mesoporous carbide-derived carbons prepared by soft templating. *Carbon*, **2012**, 50, 3987-3994	10.4	45
82	A stable lithiated silicon-chalcogen battery via synergetic chemical coupling between silicon and selenium. *Nature Communications*, **2017**, 8, 13888	17.4	43
81	Silicon oxycarbide-derived carbons from a polyphenylsilsequioxane precursor for supercapacitor applications. *Microporous and Mesoporous Materials*, **2014**, 188, 140-148	5.3	41
80	Effects of the Functionalization of the Ordered Mesoporous Carbon Support Surface on Iron Catalysts for the Fischer-Tropsch Synthesis of Lower Olefins. *ChemCatChem*, **2017**, 9, 620-628	5.2	41
79	Effect of Surface Properties on the Microstructure, Thermal, and Colloidal Stability of VB2 Nanoparticles. *Chemistry of Materials*, **2015**, 27, 5106-5115	9.6	39
78	Solvent mediated morphology control of zinc MOFs as carbon templates for application in supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 23521-23530	13	39
77	Carbon dioxide activated carbide-derived carbon monoliths as high performance adsorbents. *Carbon*, **2013**, 56, 139-145	10.4	38
76	Protonated Imine-Linked Covalent Organic Frameworks for Photocatalytic Hydrogen Evolution. *Angewandte Chemie - International Edition*, **2021**, 60, 19797-19803	16.4	38
75	Bringing Porous Organic and Carbon-Based Materials toward Thin-Film Applications. *Advanced Functional Materials*, **2018**, 28, 1801545	15.6	38

74	Ultrathin 2D Graphitic Carbon Nitride on Metal Films: Underpotential Sodium Deposition in Adlayers for Sodium-Ion Batteries. *Angewandte Chemie - International Edition*, **2020**, 59, 9067-9073	16.4	37
73	Ordered Mesoporous Carbons with High Micropore Content and Tunable Structure Prepared by Combined Hard and Salt Templating as Electrode Materials in Electric Double-Layer Capacitors. *Advanced Sustainable Systems*, **2018**, 2, 1700128	5.9	36
72	Partially delocalized charge in Fe-doped NiCo2S4 nanosheet□mesoporous carbon-composites for high-voltage supercapacitors. *Journal of Materials Chemistry A*, **2019**, 7, 19342-19347	13	34
71	In-Depth Investigation of the Carbon Microstructure of Silicon Carbide-Derived Carbons by Wide-Angle X-ray Scattering. *Journal of Physical Chemistry C*, **2014**, 118, 15705-15715	3.8	34
70	Ordered Mesoporous Materials as Supports for Stable Iron Catalysts in the Fischer□Tropsch Synthesis of Lower Olefins. *ChemCatChem*, **2016**, 8, 2846-2852	5.2	32
69	Hydrogen production from catalytic decomposition of methane over ordered mesoporous carbons (CMK-3) and carbide-derived carbon (DUT-19). *Carbon*, **2014**, 67, 377-389	10.4	31
68	Influence of precursor porosity on sodium and sulfur promoted iron/carbon Fischer-Tropsch catalysts derived from metal-organic frameworks. *Chemical Communications*, **2017**, 53, 10204-10207	5.8	31
67	Porous nitrogen-doped carbon/carbon nanocomposite electrodes enable sodium ion capacitors with high capacity and rate capability. *Nano Energy*, **2020**, 67, 104240	17.1	31
66	Effects of calcination and activation conditions on ordered mesoporous carbon supported iron catalysts for production of lower olefins from synthesis gas. *Catalysis Science and Technology*, **2016**, 6, 8464-8473	5.5	30
65	Structural Characterization of Micro- and Mesoporous Carbon Materials Using In Situ High Pressure 129Xe NMR Spectroscopy. *Chemistry of Materials*, **2014**, 26, 3280-3288	9.6	28
64	Natural Vermiculite Enables High-Performance in Lithium□Sulfur Batteries via Electrical Double Layer Effects. *Advanced Functional Materials*, **2019**, 29, 1902820	15.6	27
63	Advanced structural analysis of nanoporous materials by thermal response measurements. *Langmuir*, **2015**, 31, 4040-7	4	26
62	Micro-Blooming: Hierarchically Porous Nitrogen-Doped Carbon Flowers Derived from Metal-Organic Mesocrystals. *Small*, **2019**, 15, e1901986	11	26
61	Evolution of porosity in carbide-derived carbon aerogels. *Journal of Materials Chemistry A*, **2014**, 2, 18472-18479	13	26
60	Textural characterization of micro- and mesoporous carbons using combined gas adsorption and n-nonane preadsorption. *Langmuir*, **2013**, 29, 8133-9	4	26
59	From Molecular Precursors to Nanoparticles□Tailoring the Adsorption Properties of Porous Carbon Materials by Controlled Chemical Functionalization. *Advanced Functional Materials*, **2020**, 30, 1908371	15.6	26
58	Kroll-carbons based on silica and alumina templates as high-rate electrode materials in electrochemical double-layer capacitors. *Journal of Materials Chemistry A*, **2014**, 2, 5131	13	24
57	Storing electricity as chemical energy: beyond traditional electrochemistry and double-layer compression. *Energy and Environmental Science*, **2018**, 11, 3069-3074	35.4	24

56	Electrochemical Fixation of Nitrogen and Its Coupling with Biomass Valorization with a Strongly Adsorbing and Defect Optimized Boron□Carbon□Nitrogen Catalyst. *ACS Applied Energy Materials*, **2019**, 2, 8359-8365	6.1	23
55	Strong metal oxide-support interactions in carbon/hematite nanohybrids activate novel energy storage modes for ionic liquid-based supercapacitors. *Energy Storage Materials*, **2019**, 20, 188-195	19.4	20
54	Overcoming Chemical Inertness under Ambient Conditions: A Critical View on Recent Developments in Ammonia Synthesis via Electrochemical N2 Reduction by Asking Five Questions. *ChemElectroChem*, **2020**, 7, 878-889	4.3	20
53	Controlling the strength of interaction between carbon dioxide and nitrogen-rich carbon materials by molecular design. *Sustainable Energy and Fuels*, **2019**, 3, 2819-2827	5.8	20
52	Systematic variation of the sodium/sulfur promoter content on carbon-supported iron catalysts for the Fischer□Tropsch to olefins reaction. *Journal of Energy Chemistry*, **2016**, 25, 985-993	12	19
51	Thermogravimetric Analysis of Activated Carbons, Ordered Mesoporous Carbide-Derived Carbons, and Their Deactivation Kinetics of Catalytic Methane Decomposition. *Industrial & Engineering Chemistry Research*, **2014**, 53, 1741-1753	3.9	19
50	Preparation of cubic ordered mesoporous silicon carbide monoliths by pressure assisted preceramic polymer nanocasting. *Microporous and Mesoporous Materials*, **2013**, 168, 142-147	5.3	19
49	Emulsion soft templating of carbide-derived carbon nanospheres with controllable porosity for capacitive electrochemical energy storage. *Journal of Materials Chemistry A*, **2015**, 3, 17983-17990	13	18
48	Titanium Carbide and Carbide-Derived Carbon Composite Nanofibers by Electrospinning of Ti-Resin Precursor. *Chemie-Ingenieur-Technik*, **2013**, 85, 1742-1748	0.8	18
47	C2NxO1□ framework carbons with defined microporosity and Co-doped functional pores. *Journal of Materials Chemistry A*, **2018**, 6, 19013-19019	13	18
46	Synthesis of Ordered Mesoporous Carbon Materials by Dry Etching. *Chemistry - A European Journal*, **2015**, 21, 14753-7	4.8	16
45	Bioinspired carbide-derived carbons with hierarchical pore structure for the adsorptive removal of mercury from aqueous solution. *Chemical Communications*, **2017**, 53, 4845-4848	5.8	15
44	ZnPd/ZnO Aerogels as Potential Catalytic Materials. *Advanced Functional Materials*, **2016**, 26, 1014-1020	15.6	15
43	Influence of Pore Architecture and Chemical Structure on the Sodium Storage in Nitrogen-Doped Hard Carbons. *Small*, **2021**, 17, e2006767	11	14
42	Interactions Between Electrolytes and Carbon-Based Materials□NMR Studies on Electrical Double-Layer Capacitors, Lithium-Ion Batteries, and Fuel Cells. *Annual Reports on NMR Spectroscopy* , **2016**, 237-318	1.7	13
41	Enhanced Electrocatalytic N2 Reduction via Partial Anion Substitution in Titanium Oxide□Carbon Composites. *Angewandte Chemie*, **2019**, 131, 13235-13240	3.6	13
40	Direct synthesis of carbide-derived carbon monoliths with hierarchical pore design by hard-templating. *Journal of Materials Chemistry A*, **2014**, 2, 12703-12707	13	13
39	Aus Carbiden abgeleitete Kohlenstoffmonolithe mit hierarchischer Porenarchitektur. *Angewandte Chemie*, **2012**, 124, 7695-7698	3.6	13

38	Effects of Carbon Pore Size on the Contribution of Ionic Liquid Electrolyte Phase Transitions to Energy Storage in Supercapacitors. *Frontiers in Materials*, **2019**, 6,	4	12
37	A hard-templating route towards ordered mesoporous tungsten carbide and carbide-derived carbons. *Microporous and Mesoporous Materials*, **2014**, 186, 163-167	5.3	12
36	Preparation of hierarchical porous biomorphic carbide-derived carbon by polycarbosilane impregnation of wood. *Microporous and Mesoporous Materials*, **2015**, 210, 26-31	5.3	12
35	Electrochemical N Reduction to Ammonia Using Single Au/Fe Atoms Supported on Nitrogen-Doped Porous Carbon. *ACS Applied Energy Materials*, **2020**, 3, 10061-10069	6.1	12
34	Mesoporous carbon materials with enantioselective surface obtained by nanocasting for selective adsorption of chiral molecules from solution and the gas phase. *Carbon*, **2020**, 170, 550-557	10.4	11
33	Design of Functional Nanostructured Carbons for Advanced Heterogeneous Catalysts: A Review. *Current Organic Chemistry*, **2014**, 18, 1262-1279	1.7	11
32	Polymerization of polycarbosilanes in high internal phase emulsions for the synthesis of macroporous silicon carbide catalysts (polyHIPE-SiC). *Journal of Materials Chemistry*, **2011**, 21, 11936		10
31	Modification of Salt-Templated Carbon Surface Chemistry for Efficient Oxidation of Glucose with Supported Gold Catalysts. *ChemCatChem*, **2018**, 10, 2458-2465	5.2	9
30	Controlling pore size and pore functionality in sp2-conjugated microporous materials by precursor chemistry and salt templating. *Journal of Materials Chemistry A*, **2020**, 8, 21680-21689	13	9
29	All-organic Z-scheme photoreduction of CO2 with water as the donor of electrons and protons. *Applied Catalysis B: Environmental*, **2021**, 285, 119773	21.8	9
28	Tandem promotion of iron catalysts by sodium-sulfur and nitrogen-doped carbon layers on carbon nanotube supports for the Fischer-Tropsch to olefins synthesis. *Applied Catalysis A: General*, **2018**, 568, 213-220	5.1	9
27	Covalent triazine framework/carbon nanotube hybrids enabling selective reduction of CO2 to CO at low overpotential. *Green Chemistry*, **2020**, 22, 3095-3103	10	8
26	"Giant" Nitrogen Uptake in Ionic Liquids Confined in Carbon Pores. *Journal of the American Chemical Society*, **2021**, 143, 9377-9384	16.4	8
25	Influence of silica architecture on the catalytic activity of immobilized glucose oxidase. *Bioinspired, Biomimetic and Nanobiomaterials*, **2019**, 8, 72-80	1.3	8
24	Sustainable Cathodes for Lithium-Ion Energy Storage Devices Based on Tannic Acid□oward Ecofriendly Energy Storage. *Advanced Sustainable Systems*, **2021**, 5, 2000206	5.9	8
23	Templat- und metallfreie Synthese stickstoffreicher, nanopor□er und □edler□ Kohlenstoffmaterialien durch direkte Kondensation eines vororganisierten Hexaazatriphenylen Vorl□ufers. *Angewandte Chemie*, **2018**, 130, 10926-10931	3.6	7
22	Tailoring Commercially Available Raw Materials for Lithium□ulfur Batteries with Superior Performance and Enhanced Shelf Life. *Energy Technology*, **2015**, 3, 1007-1013	3.5	7
21	Ceria/silicon carbide core-shell materials prepared by miniemulsion technique. *Beilstein Journal of Nanotechnology*, **2011**, 2, 638-44	3	6

20	The Functional Chameleon of Materials Chemistry-Combining Carbon Structures into All-Carbon Hybrid Nanomaterials with Intrinsic Porosity to Overcome the "Functionality-Conductivity-Dilemma" in Electrochemical Energy Storage and Electrocatalysis. *Small* **2021**, 17, e2007508	11	6
19	Synthesis of Polymer Janus Particles with Tunable Wettability Profiles as Potent Solid Surfactants to Promote Gas Delivery in Aqueous Reaction Media. *ACS Applied Materials & Interfaces*, **2021**, 13, 32510-32519	9.5	6
18	Insights into the sodiation mechanism of hard carbon-like materials from electrochemical impedance spectroscopy. *Physical Chemistry Chemical Physics*, **2021**, 23, 11488-11500	3.6	6
17	Crucial Factors for the Application of Functional Nanoporous Carbon-Based Materials in Energy and Environmental Applications. *Journal of Carbon Research*, **2018**, 4, 56	3.3	6
16	Influence of Local Environments in Pores of Different Size on the Catalytic Liquid-Phase Oxidation of d-Glucose by Au Nanoparticles Supported on Nanoporous Carbon. *ACS Applied Nano Materials*, **2020**, 3, 7695-7703	5.6	5
15	Electrospun Carbon Fibers Replace Metals as a Current Collector in Supercapacitors. *ACS Applied Energy Materials*, **2019**, 2, 5724-5733	6.1	5
14	On the Possibility of Helium Adsorption in Nitrogen Doped Graphitic Materials. *Scientific Reports*, **2020**, 10, 5832	4.9	5
13	Amino acid-based ionic liquids as precursors for the synthesis of chiral nanoporous carbons. *Nanoscale Advances*, **2019**, 1, 4981-4988	5.1	5
12	Changes of porosity of hard carbons during mechanical treatment and the relevance for sodium-ion anodes. *Carbon*, **2021**, 186, 55-55	10.4	4
11	Sodium storage with high plateau capacity in nitrogen doped carbon derived from melamine□terephthalaldehyde polymers. *Journal of Materials Chemistry A*, **2021**, 9, 8711-8720	13	3
10	When water becomes an integral part of carbon □ combining theory and experiment to understand the zeolite-like water adsorption properties of porous C2N materials. *Journal of Materials Chemistry A*,	13	3
9	Nanoporous Carbide-Derived Carbons as Electrode Materials in Electrochemical Double-Layer Capacitors **2015**, 417-453		2
8	Toward Efficient Synthesis of Porous All-Carbon-Based Nanocomposites for Enantiospecific Separation. *ACS Applied Materials & Interfaces*, **2021**, 13, 24228-24237	9.5	2
7	Schiff-bases for sustainable battery and supercapacitor electrodes. *Exploration*, **2021**, 1, 20210128		2
6	Ultrathin 2D Graphitic Carbon Nitride on Metal Films: Underpotential Sodium Deposition in Adlayers for Sodium-Ion Batteries. *Angewandte Chemie*, **2020**, 132, 9152-9158	3.6	1
5	Immobilization of Gold-on-Carbon Catalysts Onto Perfluorocarbon Emulsion Droplets to Promote Oxygen Delivery in Aqueous Phase D-Glucose Oxidation. *ChemCatChem*, **2021**, 13, 196-201	5.2	1
4	Understanding Structure□Property Relationships under Experimental Conditions for the Optimization of Lithium-Ion Capacitor Anodes based on All-Carbon-Composite Materials. *Energy Technology*, **2021**, 9, 2001054	3.5	1
3	Preparation of hard carbon/carbon nitride nanocomposites by chemical vapor deposition to reveal the impact of open and closed porosity on sodium storage. *Carbon*, **2021**, 185, 697-697	10.4	1

2	Preparation and functionalization of free-standing nitrogen-doped carbon-based catalyst electrodes for electrocatalytic N2 fixation. *Molecular Catalysis*, **2021**, 515, 111935	3.3	0
1	Towards stable and high-capacity anode materials for sodium-ion batteries by embedding of Sb/Sn nanoparticles into electrospun mesoporous carbon fibers. *Electrochemical Science Advances*,e2100010		0