

# Lars Borchardt

## List of Publications by Year in Descending Order

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

126  
papers

6,574  
citations

42  
h-index

78  
g-index

133  
ext. papers

7,446  
ext. citations

10.1  
avg, IF

6.02  
L-index

#	Paper	IF	Citations
126	A guide to direct mechanocatalysis.. <i>Chemical Communications</i> , <b>2022</b> ,	5.8	8
125	The mechanochemical synthesis of polymers.. <i>Chemical Society Reviews</i> , <b>2022</b> ,	58.5	12
124	Mechanochemically-Assisted Synthesis of Polyimides. <i>ChemSusChem</i> , <b>2021</b> , 15, e202101975	8.3	2
123	Beyond the Scholl reaction - one-step planarization and edge chlorination of nanographenes by mechanochemistry.. <i>RSC Advances</i> , <b>2021</b> , 11, 38026-38032	3.7	0
122	Bronze Age of Direct Mechanocatalysis: How Alloyed Milling Materials Advance Coupling in Ball Mills. <i>Advanced Energy and Sustainability Research</i> , <b>2021</b> , 2, 2100011	1.6	3
121	Revealing the Impact of Hierarchical Pore Organization in Supercapacitor Electrodes by Coupling Ionic Dynamics at Micro- and Macroscales. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2100700	21.8	9
120	Mechanochemically Assisted Synthesis of Hexaazatriphenylenehexacarbonitrile. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 14011-14015	4.2	3
119	Supercapacitors: Revealing the Impact of Hierarchical Pore Organization in Supercapacitor Electrodes by Coupling Ionic Dynamics at Micro- and Macroscales (Adv. Energy Mater. 24/2021). <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2170090	21.8	
118	Titanium Niobium Oxide Ti Nb O /Carbon Hybrid Electrodes Derived by Mechanochemically Synthesized Carbide for High-Performance Lithium-Ion Batteries. <i>ChemSusChem</i> , <b>2021</b> , 14, 398-407	8.3	10
117	Influence of surface wettability on methane hydrate formation in hydrophilic and hydrophobic mesoporous silicas. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 126955	14.7	8
116	Mechanochemical Cyclodehydrogenation with Elemental Copper: An Alternative Pathway toward Nanographenes. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 7569-7573	8.3	11
115	In Situ Generation of Electrolyte inside Pyridine-Based Covalent Triazine Frameworks for Direct Supercapacitor Integration. <i>ChemSusChem</i> , <b>2020</b> , 13, 3192-3198	8.3	7
114	The mechanochemical Scholl reaction as a versatile synthesis tool for the solvent-free generation of microporous polymers.. <i>RSC Advances</i> , <b>2020</b> , 10, 25509-25516	3.7	16
113	Solid-state transformation of aqueous to organic electrolyte [Enhancing the operating voltage window of in situ electrolyte]supercapacitors. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 2438-2447	5.8	3
112	Reaktoren für spezielle technisch-chemische Prozesse: Tribochemische Reaktoren. <i>Springer Reference Naturwissenschaften</i> , <b>2020</b> , 1155-1182	0.2	
111	Sustainable and rapid preparation of nanosized Fe/Ni-pentlandite particles by mechanochemistry. <i>Chemical Science</i> , <b>2020</b> , 11, 12835-12842	9.4	11
110	A comprehensive approach for the characterization of porous polymers using C and N dynamic nuclear polarization NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 23307-23314	3.6	5

109	Non-porous organic crystals and their interaction with guest molecules from the gas phase. <i>Adsorption</i> , <b>2020</b> , 26, 1323-1333	2.6	1
108	Direct Mechano catalysis: Using Milling Balls as Catalysts. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 12903-12911	1.7	17
107	Direkte Mechanokatalyse: Palladium als Mahlmaterial und Katalysator in der mechanochemischen Suzuki-Polymerisation. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 19118-19123	3.6	9
106	Upcycling of polyurethane waste by mechanochemistry: synthesis of N-doped porous carbon materials for supercapacitor applications. <i>Beilstein Journal of Nanotechnology</i> , <b>2019</b> , 10, 1618-1627	3	10
105	Experimental Evidence of Confined Methane Hydrate in Hydrophilic and Hydrophobic Model Carbons. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 24071-24079	3.8	28
104	Comparing pore structure models of nanoporous carbons obtained from small angle X-ray scattering and gas adsorption. <i>Carbon</i> , <b>2019</b> , 152, 416-423	10.4	21
103	On the origin of mesopore collapse in functionalized porous carbons. <i>Carbon</i> , <b>2019</b> , 149, 743-749	10.4	8
102	Ionic liquid - Electrode materials interactions studied by NMR spectroscopy, cyclic voltammetry, and impedance spectroscopy. <i>Energy Storage Materials</i> , <b>2019</b> , 19, 432-438	19.4	16
101	Mechanochemical synthesis of N-doped porous carbon at room temperature. <i>Nanoscale</i> , <b>2019</b> , 11, 4712-4718	4.7	35
100	Tailoring the Adsorption of ACE-Inhibiting Peptides by Nitrogen Functionalization of Porous Carbons. <i>Langmuir</i> , <b>2019</b> , 35, 9721-9731	4	3
99	An Asymmetric Supercapacitor-Diode (CAPode) for Unidirectional Energy Storage. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 13060-13065	16.4	24
98	Mechanochemical synthesis of hyper-crosslinked polymers: influences on their pore structure and adsorption behaviour for organic vapors. <i>Beilstein Journal of Organic Chemistry</i> , <b>2019</b> , 15, 1154-1161	2.5	21
97	An Asymmetric Supercapacitor-Diode (CAPode) for Unidirectional Energy Storage. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 13194-13199	3.6	0
96	Direct Mechano catalysis: Palladium as Milling Media and Catalyst in the Mechanochemical Suzuki Polymerization. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18942-18947	16.4	39
95	Tailoring the porosity of a mesoporous carbon by a solvent-free mechanochemical approach. <i>Carbon</i> , <b>2019</b> , 147, 43-50	10.4	12
94	Nitrogen-Doped Biomass-Derived Carbon Formed by Mechanochemical Synthesis for Lithium-Sulfur Batteries. <i>ChemSusChem</i> , <b>2019</b> , 12, 310-319	8.3	56
93	The mechanochemical Scholl reaction - a solvent-free and versatile graphitization tool. <i>Chemical Communications</i> , <b>2018</b> , 54, 5307-5310	5.8	40
92	Nanocasting in ball mills [Combining ultra-hydrophilicity and ordered mesoporosity in carbon materials. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 859-865	13	22

91	Methane Hydrate in Confined Spaces: An Alternative Storage System. <i>ChemPhysChem</i> , <b>2018</b> , 19, 1298-1314	3.4	37
90	Carbon onion/sulfur hybrid cathodes via inverse vulcanization for lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , <b>2018</b> , 2, 133-146	5.8	23
89	Mechanochemical Functionalization of Carbon Black at Room Temperature. <i>Journal of Carbon Research</i> , <b>2018</b> , 4, 14	3.3	6
88	Nanoimprint lithography of nanoporous carbon materials for micro-supercapacitor architectures. <i>Nanoscale</i> , <b>2018</b> , 10, 10109-10115	7.7	41
87	Solvent-free synthesis of a porous thiophene polymer by mechanochemical oxidative polymerization. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 21901-21905	13	18
86	Reaktoren für spezielle technisch-chemische Prozesse: Tribochemische Reaktoren. <i>Springer Reference Naturwissenschaften</i> , <b>2018</b> , 1-28	0.2	1
85	Electrolyte mobility in supercapacitor electrodes   Solid state NMR studies on hierarchical and narrow pore sized carbons. <i>Energy Storage Materials</i> , <b>2018</b> , 12, 183-190	19.4	25
84	The In Situ Electrolyte Concept: Using Activation Chemicals as Electrolytes for Carbon-Based Supercapacitors. <i>Advanced Sustainable Systems</i> , <b>2018</b> , 2, 1800087	5.9	5
83	Diffusion: Revising the Concept of Pore Hierarchy for Ionic Transport in Carbon Materials for Supercapacitors (Adv. Energy Mater. 24/2018). <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1870108	21.8	3
82	Revising the Concept of Pore Hierarchy for Ionic Transport in Carbon Materials for Supercapacitors. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800892	21.8	52
81	Mechanochemical synthesis of porous carbon at room temperature with a highly ordered sp <sup>2</sup> microstructure. <i>Carbon</i> , <b>2018</b> , 139, 325-333	10.4	27
80	Carbon nano-composites for lithium-sulfur batteries. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2017</b> , 4, 64-71	7.9	19
79	Solvent-Free Mechanochemical Synthesis of Nitrogen-Doped Nanoporous Carbon for Electrochemical Energy Storage. <i>ChemSusChem</i> , <b>2017</b> , 10, 2416-2424	8.3	94
78	Mechanochemical Friedel-Crafts Alkylation - A Sustainable Pathway Towards Porous Organic Polymers. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 6963-6967	3.6	45
77	Mechanochemical Friedel-Crafts Alkylation - A Sustainable Pathway Towards Porous Organic Polymers. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 6859-6863	16.4	100
76	Microporous novolac-derived carbon beads/sulfur hybrid cathode for lithium-sulfur batteries. <i>Journal of Power Sources</i> , <b>2017</b> , 357, 198-208	8.9	27
75	Mechanochemical Suzuki polycondensation   From linear to hyperbranched polyphenylenes. <i>Green Chemistry</i> , <b>2017</b> , 19, 2973-2979	10	52
74	Carbon onion-sulfur hybrid cathodes for lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , <b>2017</b> , 1, 84-94	5.8	28

73	Hybrid N-Butylamine-Based Ligands for Switching the Colloidal Solubility and Regimentation of Inorganic-Capped Nanocrystals. <i>ACS Nano</i> , <b>2017</b> , 11, 1559-1571	16.7	37
72	Tailored Mesoporous Carbon/Vanadium Pentoxide Hybrid Electrodes for High Power Pseudocapacitive Lithium and Sodium Intercalation. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 8653-8662	9.6	29
71	Mechanochemistry-assisted synthesis of hierarchical porous carbons applied as supercapacitors. <i>Beilstein Journal of Organic Chemistry</i> , <b>2017</b> , 13, 1332-1341	2.5	19
70	Toward a molecular design of porous carbon materials. <i>Materials Today</i> , <b>2017</b> , 20, 592-610	21.8	146
69	Salt templated synthesis of hierarchical covalent triazine frameworks. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 239, 190-194	5.3	16
68	Solvent-free hierarchization of zeolites by carbochlorination. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 221-229	13	4
67	Mechanochemical polymerization [controlling a polycondensation reaction between a diamine and a dialdehyde in a ball mill. <i>RSC Advances</i> , <b>2016</b> , 6, 64799-64802	3.7	51
66	The Importance of Pore Size and Surface Polarity for Polysulfide Adsorption in Lithium Sulfur Batteries. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600508	4.6	62
65	Design of Hierarchically Porous Carbons with Interlinked Hydrophilic and Hydrophobic Surface and Their Capacitive Behavior. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 8715-8725	9.6	30
64	ZnPd/ZnO Aerogels as Potential Catalytic Materials. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 1014-1020	15.6	15
63	Towards a continuous adsorption process for the enrichment of ACE-inhibiting peptides from food protein hydrolysates. <i>Carbon</i> , <b>2016</b> , 107, 116-123	10.4	16
62	Interactions Between Electrolytes and Carbon-Based Materials [NMR Studies on Electrical Double-Layer Capacitors, Lithium-Ion Batteries, and Fuel Cells. <i>Annual Reports on NMR Spectroscopy</i> , <b>2016</b> , 237-318	1.7	13
61	Illuminating solid gas storage in confined spaces - methane hydrate formation in porous model carbons. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 20607-14	3.6	51
60	Carbon Materials for Lithium Sulfur Batteries-Ten Critical Questions. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 7324-51	4.8	274
59	The Formation and Morphology of Nanoparticle Supracrystals. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4890-4895	15.6	12
58	Self-Supporting Hierarchical Porous PtAg Alloy Nanotubular Aerogels as Highly Active and Durable Electrocatalysts. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 6477-6483	9.6	62
57	Emulsion soft templating of carbide-derived carbon nanospheres with controllable porosity for capacitive electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 17983-17990	13	18
56	Enhancing ACE-inhibition of food protein hydrolysates by selective adsorption using porous carbon materials. <i>Carbon</i> , <b>2015</b> , 87, 309-316	10.4	13

55	Nanoporous Carbide-Derived Carbons as Electrode Materials in Electrochemical Double-Layer Capacitors <b>2015</b> , 417-453		2
54	Trimodal hierarchical carbide-derived carbon monoliths from steam- and CO <sub>2</sub> -activated wood templates for high rate lithium sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 24103-24111	13	29
53	Structuring zeolite bodies for enhanced heat-transfer properties. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 208, 196-202	5:3	14
52	Rediscovering zeolite mechanochemistry [A pathway beyond current synthesis and modification boundaries. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 194, 106-114	5:3	33
51	Hydrogen production from catalytic decomposition of methane over ordered mesoporous carbons (CMK-3) and carbide-derived carbon (DUT-19). <i>Carbon</i> , <b>2014</b> , 67, 377-389	10.4	31
50	Role of surface functional groups in ordered mesoporous carbide-derived carbon/ionic liquid electrolyte double-layer capacitor interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 2922-8	9:5	57
49	Multimetallic Aerogels by Template-Free Self-Assembly of Au, Ag, Pt, and Pd Nanoparticles. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 1074-1083	9.6	116
48	Micro- and mesoporous carbide-derived carbon prepared by a sacrificial template method in high performance lithium sulfur battery cathodes. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 17649-17654	13	51
47	Structural Characterization of Micro- and Mesoporous Carbon Materials Using In Situ High Pressure <sup>129</sup> Xe NMR Spectroscopy. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 3280-3288	9.6	28
46	Tailoring porosity in carbon materials for supercapacitor applications. <i>Materials Horizons</i> , <b>2014</b> , 1, 157-168	11.4	235
45	Kroll-carbons based on silica and alumina templates as high-rate electrode materials in electrochemical double-layer capacitors. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5131	13	24
44	Thermogravimetric Analysis of Activated Carbons, Ordered Mesoporous Carbide-Derived Carbons, and Their Deactivation Kinetics of Catalytic Methane Decomposition. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 1741-1753	3:9	19
43	Controlling the growth of palladium aerogels with high-performance toward bioelectrocatalytic oxidation of glucose. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 2727-30	16.4	105
42	Evolution of porosity in carbide-derived carbon aerogels. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 18472-18476	13	26
41	A hard-templating route towards ordered mesoporous tungsten carbide and carbide-derived carbons. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 186, 163-167	5:3	12
40	Extraction of ACE-inhibiting dipeptides from protein hydrolysates using porous carbon materials. <i>Carbon</i> , <b>2014</b> , 77, 191-198	10.4	12
39	Hierarchical Carbide-Derived Carbon Foams with Advanced Mesostructure as a Versatile Electrochemical Energy-Storage Material. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1300645	21.8	90
38	Interaction of electrolyte molecules with carbon materials of well-defined porosity: characterization by solid-state NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 15177-84	3:6	76

37	Bimetallic aerogels: high-performance electrocatalysts for the oxygen reduction reaction. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 9849-52	16.4	211
36	Bimetall-Aerogele: hoch effiziente Elektrokatalysatoren für die Sauerstoffreduktion. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 10033-10037	3.6	38
35	Highly porous nitrogen-doped polyimine-based carbons with adjustable microstructures for CO <sub>2</sub> capture. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 10951	13	167
34	High capacity micro-mesoporous carbon-sulfur nanocomposite cathodes with enhanced cycling stability prepared by a solvent-free procedure. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9225	13	119
33	Mixed Aerogels from Au and CdTe Nanoparticles. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 1903-1911	15.6	50
32	Sulfur-infiltrated micro- and mesoporous silicon carbide-derived carbon cathode for high-performance lithium sulfur batteries. <i>Advanced Materials</i> , <b>2013</b> , 25, 4573-9	24	284
31	Direct prediction of the desalination performance of porous carbon electrodes for capacitive deionization. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 3700	35.4	384
30	Carbon dioxide activated carbide-derived carbon monoliths as high performance adsorbents. <i>Carbon</i> , <b>2013</b> , 56, 139-145	10.4	38
29	Functionalised porous nanocomposites: a multidisciplinary approach to investigate designed structures for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 4904	13	22
28	Imine-linked polymer-derived nitrogen-doped microporous carbons with excellent CO <sub>2</sub> capture properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 3160-7	9.5	144
27	Twin polymerization at spherical hard templates: an approach to size-adjustable carbon hollow spheres with micro- or mesoporous shells. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 6088-91	16.4	110
26	A new route for the preparation of mesoporous carbon materials with high performance in lithium-sulphur battery cathodes. <i>Chemical Communications</i> , <b>2013</b> , 49, 5832-4	5.8	88
25	Zwillingspolymerisation an sphärischen Hart-Templaten – ein Weg zu Kohlenstoffhohlkugeln mit einstellbarer Größe und mikro- oder mesoporer Schale. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 6204-6207	3.6	11
24	Textural characterization of micro- and mesoporous carbons using combined gas adsorption and n-nonane preadsorption. <i>Langmuir</i> , <b>2013</b> , 29, 8133-9	4	26
23	Preparation of cubic ordered mesoporous silicon carbide monoliths by pressure assisted preceramic polymer nanocasting. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 168, 142-147	5.3	19
22	Titanium Carbide and Carbide-Derived Carbon Composite Nanofibers by Electrospinning of Ti-Resin Precursor. <i>Chemie-Ingenieur-Technik</i> , <b>2013</b> , 85, 1742-1748	0.8	18
21	Fungi-based porous carbons for CO <sub>2</sub> adsorption and separation. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 13911		177
20	Synthesis, characterization, and hydrogen storage capacities of hierarchical porous carbide derived carbon monolith. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 23893		48

19	Preparation and application of cellular and nanoporous carbides. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 5053-67	58.5	72
18	Complete and partial oxidation of methane on ceria/platinum silicon carbide nanocomposites. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 139-146	5.5	10
17	Palladium-Aerogele für die hocheffiziente Elektrokatalyse. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 5841-5846	3.6	28
16	Aus Carbiden abgeleitete Kohlenstoffmonolithe mit hierarchischer Porenarchitektur. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 7695-7698	3.6	13
15	High-performance electrocatalysis on palladium aerogels. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 5743-7	16.4	149
14	Carbide-derived carbon monoliths with hierarchical pore architectures. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 7577-80	16.4	120
13	Transition metal loaded silicon carbide-derived carbons with enhanced catalytic properties. <i>Carbon</i> , <b>2012</b> , 50, 1861-1870	10.4	49
12	Ordered mesoporous carbide-derived carbons prepared by soft templating. <i>Carbon</i> , <b>2012</b> , 50, 3987-3994	10.4	45
11	3D assembly of semiconductor and metal nanocrystals: hybrid CdTe/Au structures with controlled content. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 13413-20	16.4	99
10	Ceria/silicon carbide core-shell materials prepared by miniemulsion technique. <i>Beilstein Journal of Nanotechnology</i> , <b>2011</b> , 2, 638-44	3	6
9	Hierarchical micro- and mesoporous carbide-derived carbon as a high-performance electrode material in supercapacitors. <i>Small</i> , <b>2011</b> , 7, 1108-17	11	263
8	CeO <sub>2</sub> /Pt Catalyst Nanoparticle Containing Carbide-Derived Carbon Composites by a New In situ Functionalization Strategy. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 57-66	9.6	13
7	PEGylated hollow mesoporous silica nanoparticles as potential drug delivery vehicles. <i>Microporous and Mesoporous Materials</i> , <b>2011</b> , 141, 199-206	5.3	71
6	High-rate electrochemical capacitors based on ordered mesoporous silicon carbide-derived carbon. <i>ACS Nano</i> , <b>2010</b> , 4, 1337-44	16.7	408
5	Ordered Mesoporous Boron Carbide Based Materials via Precursor Nanocasting. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4660-4668	9.6	22
4	Ordered mesoporous carbide derived carbons for high pressure gas storage. <i>Carbon</i> , <b>2010</b> , 48, 1707-1717	10.4	112
3	A cubic ordered, mesoporous carbide-derived carbon for gas and energy storage applications. <i>Carbon</i> , <b>2010</b> , 48, 3987-3992	10.4	130
2	Ordered Mesoporous Carbide Derived Carbons: Novel Materials for Catalysis and Adsorption. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 7755-7761	3.8	93



- 1 The mechanochemical Friedel-Crafts polymerization as a solvent-free cross-linking approach toward microporous polymers. *Journal of Polymer Science*, 2.4 4