

# Christopher W Jones

## 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.

331  
papers

21,784  
citations

78  
h-index

136  
g-index

514  
ext. papers

24,549  
ext. citations

8.5  
avg, IF

7.38  
L-index

#	Paper	IF	Citations
331	Research needs targeting direct air capture of carbon dioxide: Material & process performance characteristics under realistic environmental conditions. <i>Korean Journal of Chemical Engineering</i> , <b>2022</b> , 39, 1-19	2.8	7
330	Single-walled zeolitic nanotubes.. <i>Science</i> , <b>2022</b> , 375, 62-66	33.3	5
329	Sub-Ambient Temperature Direct Air Capture of CO using Amine-Impregnated MIL-101(Cr) Enables Ambient Temperature CO Recovery.. <i>Jacs Au</i> , <b>2022</b> , 2, 380-393		8
328	Design of a bifunctional TEMPO-tertiary amine mesoporous silica catalyst for the three-step cascade synthesis of a chromene derivative. <i>Molecular Catalysis</i> , <b>2022</b> , 517, 112021	3.3	1
327	Sequential Polymer Infusion into Solid Substrates (SPISS): Impact of Processing on Sorbent CO <sub>2</sub> Adsorption Properties. <i>Separation and Purification Technology</i> , <b>2022</b> , 121042	8.3	1
326	Selective Conversion of Malononitrile and Unprotected Carbohydrates to Bicyclic Polyhydroxyalkyl Dihydrofurans Using Magnesium Oxide as a Recyclable Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 5966-5975	8.3	
325	Predicting the Mechanism and Products of CO Capture by Amines in the Presence of HO. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 9802-9818	2.8	0
324	Direct aromatization of CO <sub>2</sub> via combined CO <sub>2</sub> hydrogenation and zeolite-based acid catalysis. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2021</b> , 45, 101405	7.6	8
323	Chemical Kinetics of the Autoxidation of Poly(ethylenimine) in CO <sub>2</sub> Sorbents. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 8477-8486	8.3	2
322	Steam reforming kinetics of olefins and aromatics over Mn-Cr-O spinel oxides. <i>Journal of Catalysis</i> , <b>2021</b> ,	7.3	2
321	Copper(II) Acetate-Induced Oxidation of Hydrazones to Diazo Compounds under Flow Conditions Followed by Dirhodium-Catalyzed Enantioselective Cyclopropanation Reactions. <i>Organic Letters</i> , <b>2021</b> , 23, 5363-5367	6.2	4
320	NMR Reveals Two Bicarbonate Environments in SBA15-Solid-Amine CO <sub>2</sub> Sorbents. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 16759-16765	3.8	1
319	Porosity and hydrophilicity modulated quaternary ammonium-based sorbents for CO <sub>2</sub> capture. <i>Chemical Engineering Journal</i> , <b>2021</b> , 413, 127532	14.7	3
318	Creation of discrete active site domains via mesoporous silica poly(styrene) composite materials for incompatible acid-base cascade reactions. <i>Catalysis Science and Technology</i> , <b>2021</b> , 11, 1311-1322	5.5	3
317	Influence of Co on Ethylene Steam Reforming Over Co <sub>3</sub> Ir <sub>2</sub> O <sub>8</sub> Spinel Catalysts. <i>Catalysis Letters</i> , <b>2021</b> , 151, 1456-1466	2.8	
316	Separation of C <sub>2</sub> & C <sub>4</sub> hydrocarbons from methane by zeolite MFI hollow fiber membranes fabricated from 2D nanosheets. <i>AIChE Journal</i> , <b>2021</b> , 67,	3.6	3
315	Distribution and Transport of CO in Hydrated Hyperbranched Poly(ethylenimine) Membranes: A Molecular Dynamics Simulation Approach. <i>ACS Omega</i> , <b>2021</b> , 6, 3390-3398	3.9	2

314	Drastic enhancement of carbon dioxide adsorption in fluoroalkyl-modified poly(allylamine). <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 10827-10837	13	4
313	Oxidative Dehydrogenation of Propane to Propylene with Soft Oxidants via Heterogeneous Catalysis. <i>ACS Catalysis</i> , <b>2021</b> , 11, 2182-2234	13.1	33
312	Enhanced Coke Gasification Activity of the Mn <sub>1.5</sub> Cr <sub>1.5</sub> O <sub>4</sub> Spinel Catalyst during Coking in Ethylene/Steam Mixtures. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 5271-5280	4.1	2
311	Copper-Catalyzed, Aerobic Oxidation of Hydrazone in a Three-Phase Packed Bed Reactor. <i>Organic Process Research and Development</i> , <b>2021</b> , 25, 1911-1922	3.9	0
310	Modulation and Tuning of UiO-66 for Lewis Acid Catalyzed Carbohydrate Conversion: Conversion of Unprotected Aldose Sugars to Polyhydroxyalkyl and C-Glycosyl Furans. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 11581-11595	8.3	4
309	Polymeric Fiber Sorbents Embedded with Porous Organic Cages. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 47118-47126	9.5	1
308	Integrated capture and conversion of CO <sub>2</sub> into methane using NaNO <sub>3</sub> /MgO/Ru/Al <sub>2</sub> O <sub>3</sub> as a catalytic sorbent. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 130369	14.7	14
307	Perspective - the need and prospects for negative emission technologies - direct air capture through the lens of current sorption process development.. <i>Korean Journal of Chemical Engineering</i> , <b>2021</b> , 38, 2375-2380	2.8	1
306	Gasification of Radical Coke with Steam and Steam/Hydrogen Mixtures over Manganese/Chromium Oxides. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 10813-10822	3.9	5
305	Optimized Immobilization Strategy for Dirhodium(II) Carboxylate Catalysts for C-H Functionalization and Their Implementation in a Packed Bed Flow Reactor. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 19525-19531	16.4	9
304	Confronting Racism in Chemistry Journals. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 6131-6133	5.6	
303	Confronting Racism in Chemistry Journals. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 2496-2498	4.3	
302	Confronting Racism in Chemistry Journals. <i>Organometallics</i> , <b>2020</b> , 39, 2331-2333	3.8	
301	NaNO <sub>2</sub> -Promoted Mesoporous MgO for High-Capacity CO Capture from Simulated Flue Gas with Isothermal Regeneration. <i>ChemSusChem</i> , <b>2020</b> , 13, 2988-2995	8.3	15
300	ACS Catalysis Highlights Its Most Cited Papers from Around the Globe: Italy and Switzerland. <i>ACS Catalysis</i> , <b>2020</b> , 10, 3514-3515	13.1	2
299	Update to Our Reader, Reviewer, and Author Communities/April 2020. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 5107-5108	4.1	
298	Effect of Humidity on the Sorption of H <sub>2</sub> S from Multicomponent Acid Gas Streams on Silica-Supported Sterically Hindered and Unhindered Amines. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 10102-10114	8.3	11
297	Optimized Immobilization Strategy for Dirhodium(II) Carboxylate Catalysts for C-H Functionalization and Their Implementation in a Packed Bed Flow Reactor. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 19693-19699	3.6	0

296	Correction to Systems Design and Economic Analysis of Direct Air Capture of CO <sub>2</sub> through Temperature Vacuum Swing Adsorption Using MIL-101(Cr)-PEI-800 and mmen-Mg <sub>2</sub> (dobpdc) MOF Adsorbents <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 503-505	3.9	4
295	Update to Our Reader, Reviewer, and Author Communities April 2020. <i>Organometallics</i> , <b>2020</b> , 39, 1665-1666	3.6	6
294	Confronting Racism in Chemistry Journals. <i>Journal of Chemical Health and Safety</i> , <b>2020</b> , 27, 198-200	1.7	
293	CO <sub>2</sub> Adsorption and Oxidative Degradation of Silica-Supported Branched and Linear Aminosilanes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 7061-7071	3.9	8
292	Silica supported poly(propylene guanidine) as a CO <sub>2</sub> sorbent in simulated flue gas and direct air capture. <i>Adsorption</i> , <b>2020</b> , 26, 89-101	2.6	11
291	Insights into Redox Dynamics of Vanadium Species Impregnated in Layered Siliceous Zeolitic Structures during Methanol Oxidation Reactions. <i>ChemCatChem</i> , <b>2020</b> , 12, 141-151	5.2	7
290	Functionalized cellulose nanofibril aerogels as cooperative acid-base organocatalysts for liquid flow reactions. <i>Carbohydrate Polymers</i> , <b>2020</b> , 233, 115825	10.3	8
289	Aminated poly(ethylene glycol) methacrylate resins as stable heterogeneous catalysts for the aldol reaction in water. <i>Journal of Catalysis</i> , <b>2020</b> , 381, 540-546	7.3	7
288	ACS Catalysis Blurs the Lines Between Catalysis Subdisciplines. <i>ACS Catalysis</i> , <b>2020</b> , 10, 9662-9663	13.1	1
287	Alkyl-Aryl Amine-Rich Molecules for CO <sub>2</sub> Removal via Direct Air Capture. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> ,	8.3	9
286	Steam reforming of ethylene over nickel based spinel oxides. <i>Applied Catalysis A: General</i> , <b>2020</b> , 603, 117739	5.1	6
285	Conversion of Unprotected Aldose Sugars to Polyhydroxyalkyl and -Glycosyl Furans via Zirconium Catalysis. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 15337-15346	4.2	6
284	Single-Step Scalable Fabrication of Zeolite MFI Hollow Fiber Membranes for Hydrocarbon Separations. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000926	4.6	5
283	Effect of Extended Aging and Oxidation on Linear Poly(propylenimine)-Mesoporous Silica Composites for CO Capture from Simulated Air and Flue Gas Streams. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 38085-38097	9.5	21
282	AEL Zeolite Nanosheet-Polyamide Nanocomposite Membranes on Alumina Hollow Fibers with Enhanced Pervaporation Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 14789-14796	2.9	2
281	Using nature's blueprint to expand catalysis with Earth-abundant metals. <i>Science</i> , <b>2020</b> , 369,	33.3	124
280	Selective removal of hydrogen sulfide from simulated biogas streams using sterically hindered amine adsorbents. <i>Chemical Engineering Journal</i> , <b>2020</b> , 379, 122349	14.7	16
279	Reversible Photoswitching in Poly(2-oxazoline) Nanoreactors. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 11776-11781	4.8	3

278	Exploring the Acid Gas Sorption Properties of Oxidatively Degraded Supported Amine Sorbents. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 1372-1382	4.1	3
277	Metal-Organic-Framework-Derived Co/Cu Carbon Nanoparticle Catalysts for Furfural Hydrogenation. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 6040-6056	5.6	18
276	Alumina supported doped ceria catalysts for steam gasification and oxidation of radical coke. <i>Chemical Engineering Research and Design</i> , <b>2019</b> , 151, 1-9	5.5	8
275	Inter- and Intramolecular Cooperativity Effects in Alkanolamine-Based Acid-Base Heterogeneous Organocatalysts. <i>ACS Omega</i> , <b>2019</b> , 4, 1110-1117	3.9	4
274	Aminopolymer-Impregnated Hierarchical Silica Structures: Unexpected Equivalent CO <sub>2</sub> Uptake under Simulated Air Capture and Flue Gas Capture Conditions. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 5229-5237	9.6	43
273	CO <sub>2</sub> and SO <sub>2</sub> Interactions with Methylated Poly(ethylenimine)-Functionalized Capacitive Micromachined Ultrasonic Transducers (CMUTs): Gas Sensing and Degradation Mechanism. <i>ACS Applied Electronic Materials</i> , <b>2019</b> , 1, 1150-1161	4	6
272	Effect of Different Acid Initiators on Branched Poly(propylenimine) Synthesis and CO <sub>2</sub> Sorption Performance. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 7338-7345	8.3	19
271	Optimized Cellulose Nanocrystal Organocatalysts Outperform Silica-Supported Analogues: Cooperativity, Selectivity, and Bifunctionality in Acid-Base Aldol Condensation Reactions. <i>ACS Catalysis</i> , <b>2019</b> , 9, 3266-3277	13.1	17
270	Continuous Zeolite MFI Membranes Fabricated from 2D MFI Nanosheets on Ceramic Hollow Fibers. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 8201-8205	16.4	45
269	Introducing the 2019 Early Career Advisory Board of ACS Catalysis. <i>ACS Catalysis</i> , <b>2019</b> , 9, 3588-3588	13.1	0
268	Direct CO <sub>2</sub> Capture from Air using Poly(ethylenimine)-Loaded Polymer/Silica Fiber Sorbents. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 5264-5273	8.3	67
267	Effect of Si/Al Ratio on the Catalytic Activity of Two-Dimensional MFI Nanosheets in Aromatic Alkylation and Alcohol Etherification. <i>ChemCatChem</i> , <b>2019</b> , 11, 4548-4557	5.2	5
266	Self-supported branched poly(ethyleneimine) materials for CO <sub>2</sub> adsorption from simulated flue gas. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 19513-19521	13	27
265	Silica-Supported Hindered Aminopolymers for CO <sub>2</sub> Capture. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 22551-22560	3.9	14
264	Celebrating the Winners of the 2019 ACS Catalysis Lectureship. <i>ACS Catalysis</i> , <b>2019</b> , 9, 9698-9698	13.1	0
263	Steam reforming of ethylene over manganese-chromium spinel oxides. <i>Journal of Catalysis</i> , <b>2019</b> , 380, 224-235	7.3	8
262	Poly(glycidyl amine)-Loaded SBA-15 Sorbents for CO <sub>2</sub> Capture from Dilute and Ultradilute Gas Mixtures. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 3137-3147	4.3	19
261	Exploring steam stability of mesoporous alumina species for improved carbon dioxide sorbent design. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 7563-7575	4.3	3

260	Transformations of FCC catalysts and carbonaceous deposits during repeated reaction-regeneration cycles. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 6977-6992	5.5	8
259	Molecularly Mixed Composite Membranes for Advanced Separation Processes. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 2638-2643	16.4	37
258	Molecularly Mixed Composite Membranes for Advanced Separation Processes. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 2664-2669	3.6	17
257	Role of the mesopore generation method in structure, activity and stability of MFI catalysts in glycerol acetylation. <i>Applied Catalysis A: General</i> , <b>2019</b> , 571, 107-117	5.1	17
256	Hydroboration of substituted alkynes using a solid polymeric carboxylic acid catalyst. <i>Journal of Catalysis</i> , <b>2019</b> , 369, 493-500	7.3	6
255	In Silico Prediction of Structural Properties of a Racemic Porous Organic Cage Crystal. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 1720-1729	3.8	5
254	All-Nanoporous Hybrid Membranes: Redefining Upper Limits on Molecular Separation Properties. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 236-239	16.4	25
253	Moving Beyond Adsorption Capacity in Design of Adsorbents for CO <sub>2</sub> Capture from Ultradilute Feeds: Kinetics of CO <sub>2</sub> Adsorption in Materials with Stepped Isotherms. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 366-377	3.9	30
252	Thermally stable Alumina supported ceria for coking resistance and oxidation of radical coke generated in-situ. <i>Fuel</i> , <b>2018</b> , 218, 357-365	7.1	8
251	N Solid State NMR Spectroscopic Study of Surface Amine Groups for Carbon Capture: 3-Aminopropylsilyl Grafted to SBA-15 Mesoporous Silica. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 1488-1495	10.3	19
250	Representing the Global Catalysis Community at ACS Catalysis. <i>ACS Catalysis</i> , <b>2018</b> , 8, 692-693	13.1	
249	Role of Amine Structure on Hydrogen Sulfide Capture from Dilute Gas Streams Using Solid Adsorbents. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 6926-6933	4.1	24
248	Sol-gel derived CeO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> bilayer thin film as an anti-coking barrier and its catalytic coke oxidation performance. <i>AIChE Journal</i> , <b>2018</b> , 64, 4019-4026	3.6	7
247	Formation Mechanisms and Defect Engineering of Imine-Based Porous Organic Cages. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 262-272	9.6	34
246	MOF-Derived Iron Catalysts for Nonoxidative Propane Dehydrogenation. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 28637-28644	3.8	15
245	Synergy between Ceria Oxygen Vacancies and Cu Nanoparticles Facilitates the Catalytic Conversion of CO <sub>2</sub> to CO under Mild Conditions. <i>ACS Catalysis</i> , <b>2018</b> , 8, 12056-12066	13.1	76
244	Silica-Supported Sterically Hindered Amines for CO Capture. <i>Langmuir</i> , <b>2018</b> , 34, 12279-12292	4	31
243	Amine functionalization of cellulose nanocrystals for acid-base organocatalysis: surface chemistry, cross-linking, and solvent effects. <i>Cellulose</i> , <b>2018</b> , 25, 6495-6512	5.5	22



242	Oxidatively-Stable Linear Poly(propylenimine)-Containing Adsorbents for CO Capture from Ultradilute Streams. <i>ChemSusChem</i> , <b>2018</b> , 11, 2628-2637	8.3	39
241	Molecular blends of methylated-poly(ethylenimine) and amorphous porous organic cages for SO <sub>2</sub> adsorption. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 22043-22052	13	18
240	An Immobilized-Dirhodium Hollow-Fiber Flow Reactor for Scalable and Sustainable C-H Functionalization in Continuous Flow. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 11089-11093	3.6	12
239	An Immobilized-Dirhodium Hollow-Fiber Flow Reactor for Scalable and Sustainable C-H Functionalization in Continuous Flow. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10923-10927	16.4	39
238	The "Missing" Bicarbonate in CO Chemisorption Reactions on Solid Amine Sorbents. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 8648-8651	16.4	41
237	Probing Metal-Organic Framework Design for Adsorptive Natural Gas Purification. <i>Langmuir</i> , <b>2018</b> , 34, 8443-8450	4	39
236	Catalytic reactions of coke with dioxygen and steam over alkaline-earth-metal-doped cerium-zirconium mixed oxides. <i>Applied Catalysis A: General</i> , <b>2017</b> , 535, 17-23	5.1	13
235	Superlative Scientific Writing. <i>ACS Catalysis</i> , <b>2017</b> , 7, 2218-2219	13.1	10
234	Design of Aminopolymer Structure to Enhance Performance and Stability of CO Sorbents: Poly(propylenimine) vs Poly(ethylenimine). <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 3627-3630	16.4	79
233	Zeolitic Imidazolate Framework Membranes Supported on Macroporous Carbon Hollow Fibers by Fluidic Processing Techniques. <i>Advanced Materials Interfaces</i> , <b>2017</b> , 4, 1700080	4.6	29
232	Linking Silica Support Morphology to the Dynamics of Aminopolymers in Composites. <i>Langmuir</i> , <b>2017</b> , 33, 5412-5422	4	7
231	Spectroscopic Characterization of Adsorbed CO on 3-Aminopropylsilyl-Modified SBA15 Mesoporous Silica. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 6553-6559	10.3	28
230	Announcing the Inaugural ACS Catalysis Early Career Advisory Board. <i>ACS Catalysis</i> , <b>2017</b> , 7, 3712-3712	13.1	2
229	Monolith-Supported Amine-Functionalized Mg(dobpdc) Adsorbents for CO Capture. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 17042-17050	9.5	53
228	Synthesis of Donor/Acceptor-Substituted Diazo Compounds in Flow and Their Application in Enantioselective Dirhodium-Catalyzed Cyclopropanation and C-H Functionalization. <i>Organic Letters</i> , <b>2017</b> , 19, 3055-3058	6.2	25
227	A Mesoporous Cobalt Aluminate Spinel Catalyst for Nonoxidative Propane Dehydrogenation. <i>ChemCatChem</i> , <b>2017</b> , 9, 3330-3337	5.2	44
226	Aminopolymer Mobility and Support Interactions in Silica-PEI Composites for CO Capture Applications: A Quasielastic Neutron Scattering Study. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 6721-6731	3.4	18
225	Advice for emerging researchers on research program development: A personal case study. <i>AIChE Journal</i> , <b>2017</b> , 63, 3627-3635	3.6	1

224	Role of Alumina Basicity in CO Uptake in 3-Aminopropylsilyl-Grafted Alumina Adsorbents. <i>ChemSusChem</i> , <b>2017</b> , 10, 2192-2201	8.3	28
223	Vapor Phase Hydrogenolysis of Furanics Utilizing Reduced Cobalt Mixed Metal Oxide Catalysts. <i>ChemCatChem</i> , <b>2017</b> , 9, 1815-1823	5.2	13
222	Propane dehydrogenation catalyzed by gallosilicate MFI zeolites with perturbed acidity. <i>Journal of Catalysis</i> , <b>2017</b> , 345, 113-123	7.3	86
221	Facilely synthesized meso-macroporous polymer as support of poly(ethyleneimine) for highly efficient and selective capture of CO <sub>2</sub> . <i>Chemical Engineering Journal</i> , <b>2017</b> , 314, 466-476	14.7	63
220	Emerging materials for lowering atmospheric carbon. <i>Environmental Technology and Innovation</i> , <b>2017</b> , 7, 30-43	7	5
219	Adsorption Microcalorimetry of CO in Confined Aminopolymers. <i>Langmuir</i> , <b>2017</b> , 33, 117-124	4	20
218	Systems Design and Economic Analysis of Direct Air Capture of CO <sub>2</sub> through Temperature Vacuum Swing Adsorption Using MIL-101(Cr)-PEI-800 and mmen-Mg <sub>2</sub> (dobpdc) MOF Adsorbents. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 750-764	3.9	71
217	Effect of Humidity on the CO <sub>2</sub> Adsorption of Tertiary Amine Grafted SBA-15. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 23480-23487	3.8	48
216	Selective C(sp <sup>3</sup> )H Monoarylation Catalyzed by a Covalently Cross-Linked Reverse Micelle-Supported Palladium Catalyst. <i>Advanced Synthesis and Catalysis</i> , <b>2017</b> , 359, 3611-3617	5.6	2
215	Hierarchical Ga-MFI Catalysts for Propane Dehydrogenation. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 7213-7222	9.6	58
214	Reduced Cu <sub>2</sub> O/Al Mixed Metal Oxides for the Ring-Opening of Furfuryl Alcohol to Produce Renewable Diols. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 8959-8969	8.3	29
213	Insights into Azetidine Polymerization for the Preparation of Poly(propylenimine)-Based CO <sub>2</sub> Adsorbents. <i>Macromolecules</i> , <b>2017</b> , 50, 9135-9143	5.5	20
212	ACS Catalysis Further Diversifies Editorial Team. <i>ACS Catalysis</i> , <b>2017</b> , 7, 7930-7930	13.1	
211	Catalytic oxidation of solid carbon and carbon monoxide over cerium-zirconium mixed oxides. <i>AICHE Journal</i> , <b>2017</b> , 63, 725-738	3.6	20
210	Elucidation of Surface Species through in Situ FTIR Spectroscopy of Carbon Dioxide Adsorption on Amine-Grafted SBA-15. <i>ChemSusChem</i> , <b>2017</b> , 10, 266-276	8.3	81
209	Bifunctional Polymer Architectures for Cooperative Catalysis: Tunable Acid-Base Polymers for Aldol Condensation. <i>ChemCatChem</i> , <b>2017</b> , 9, 137-143	5.2	16
208	One-Step Synthesis of Zeolite Membranes Containing Catalytic Metal Nanoclusters. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 24671-81	9.5	20
207	Direct Capture of CO from Ambient Air. <i>Chemical Reviews</i> , <b>2016</b> , 116, 11840-11876	68.1	895



206	Direct Air Capture of CO <sub>2</sub> Using Amine Functionalized MIL-101(Cr). <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 5761-5768	8.3	131
205	Propane Dehydrogenation over Alumina-Supported Iron/Phosphorus Catalysts: Structural Evolution of Iron Species Leading to High Activity and Propylene Selectivity. <i>ACS Catalysis</i> , <b>2016</b> , 6, 5673-5683	13.1	79
204	Assessing C <sub>3</sub> –C <sub>4</sub> alcohol synthesis pathways over a MgAl oxide supported K/MoS <sub>2</sub> catalyst via 13C <sub>2</sub> -ethanol and 13C <sub>2</sub> -ethylene co-feeds. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 423, 224-232		6
203	Synergistic Effect of Mixed Oxide on the Adsorption of Ammonia with Metal-Organic Frameworks. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 6492-6500	3.9	16
202	Thin Hydrogen-Selective SAPO-34 Zeolite Membranes for Enhanced Conversion and Selectivity in Propane Dehydrogenation Membrane Reactors. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 4397-4402	9.6	41
201	Insight into reaction pathways in CO hydrogenation reactions over K/MoS <sub>2</sub> supported catalysts via alcohol/olefin co-feed experiments. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 1957-1966	5.5	10
200	Unraveling the Dynamics of Aminopolymer/Silica Composites. <i>Langmuir</i> , <b>2016</b> , 32, 2617-25	4	9
199	Toward Benchmarking in Catalysis Science: Best Practices, Challenges, and Opportunities. <i>ACS Catalysis</i> , <b>2016</b> , 6, 2590-2602	13.1	139
198	Vapor phase hydrogenation of furfural over nickel mixed metal oxide catalysts derived from layered double hydroxides. <i>Applied Catalysis A: General</i> , <b>2016</b> , 517, 187-195	5.1	58
197	Acid-Base Bifunctional Shell Cross-Linked Micelle Nanoreactor for One-Pot Tandem Reaction. <i>ACS Catalysis</i> , <b>2016</b> , 6, 784-787	13.1	78
196	Kinetic and Mechanistic Examination of Acid-Base Bifunctional Aminosilica Catalysts in Aldol and Nitroaldol Condensations. <i>ACS Catalysis</i> , <b>2016</b> , 6, 460-468	13.1	56
195	Fluidic Processing of High-Performance ZIF-8 Membranes on Polymeric Hollow Fibers: Mechanistic Insights and Microstructure Control. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 5011-5018	15.6	79
194	Engineering Porous Organic Cage Crystals with Increased Acid Gas Resistance. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 10743-7	4.8	24
193	Synthesis, characterization, and tunable adsorption and diffusion properties of hybrid ZIF-7-90 frameworks. <i>AIChE Journal</i> , <b>2016</b> , 62, 525-537	3.6	29
192	Poly(ethylenimine)-Functionalized Monolithic Alumina Honeycomb Adsorbents for CO <sub>2</sub> Capture from Air. <i>ChemSusChem</i> , <b>2016</b> , 9, 1859-68	8.3	45
191	Functionalized Polymer-Supported Pyridine Ligands for Palladium-Catalyzed C(sp <sup>3</sup> )-Arylation. <i>ACS Catalysis</i> , <b>2016</b> , 6, 5245-5250	13.1	18
190	Propane Dehydrogenation over In <sub>2</sub> O <sub>3</sub> -Ga <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> Mixed Oxides. <i>ChemCatChem</i> , <b>2016</b> , 8, 214-221	5.2	41
189	Hybrid Polymer/UiO-66(Zr) and Polymer/NaY Fiber Sorbents for Mercaptan Removal from Natural Gas. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 9700-9	9.5	39

188	Molecular Dynamics Simulations of Aldol Condensation Catalyzed by Alkylamine-Functionalized Crystalline Silica Surfaces. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 7664-72	16.4	34
187	CO <sub>2</sub> capture via adsorption in amine-functionalized sorbents. <i>Current Opinion in Chemical Engineering</i> , <b>2016</b> , 12, 82-90	5.4	84
186	In Situ Generation of Radical Coke and the Role of Coke-Catalyst Contact on Coke Oxidation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 5271-5278	3.9	17
185	Spectroscopic Investigation of the Mechanisms Responsible for the Superior Stability of Hybrid Class 1/Class 2 CO <sub>2</sub> Sorbents: A New Class 4 Category. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 12780-91	9.5	38
184	Facet-Specific Stability of ZIF-8 in the Presence of Acid Gases Dissolved in Aqueous Solutions. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 6960-6967	9.6	96
183	Formation and Oxidation/Gasification of Carbonaceous Deposits: A Review. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 9760-9818	3.9	59
182	ZIF-8 Membranes via Interfacial Microfluidic Processing in Polymeric Hollow Fibers: Efficient Propylene Separation at Elevated Pressures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 25337-42	9.5	89
181	Co(III) complexes of tetradentate X3L type ligands: Synthesis, electronic structure, and reactivity. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 430, 30-35	2.7	11
180	Stability of amine-based hollow fiber CO <sub>2</sub> adsorbents in the presence of NO and SO <sub>2</sub> . <i>Fuel</i> , <b>2015</b> , 160, 153-164	7.1	35
179	SO <sub>x</sub> /NO <sub>x</sub> Removal from Flue Gas Streams by Solid Adsorbents: A Review of Current Challenges and Future Directions. <i>Energy &amp; Fuels</i> , <b>2015</b> , 29, 5467-5486	4.1	144
178	Metal Organic Frameworks for Selective Adsorption of t-Butyl Mercaptan from Natural Gas. <i>Energy &amp; Fuels</i> , <b>2015</b> , 29, 3312-3321	4.1	35
177	Catalytic propane dehydrogenation over In <sub>2</sub> O <sub>3</sub> /ZnO mixed oxides. <i>Applied Catalysis A: General</i> , <b>2015</b> , 498, 167-175	5.1	62
176	Highly tunable molecular sieving and adsorption properties of mixed-linker zeolitic imidazolate frameworks. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 4191-7	16.4	155
175	Composite polymer/oxide hollow fiber contactors: versatile and scalable flow reactors for heterogeneous catalytic reactions in organic synthesis. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 6470-4	16.4	47
174	An efficient low-temperature route to nitrogen-doping and activation of mesoporous carbons for CO <sub>2</sub> capture. <i>Chemical Communications</i> , <b>2015</b> , 51, 17261-4	5.8	44
173	Characterization of a Mixture of CO <sub>2</sub> Adsorption Products in Hyperbranched Aminosilica Adsorbents by (13)C Solid-State NMR. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13684-91	10.3	35
172	Role of Additives in Composite PEI/Oxide CO <sub>2</sub> Adsorbents: Enhancement in the Amine Efficiency of Supported PEI by PEG in CO <sub>2</sub> Capture from Simulated Ambient Air. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 24748-59	9.5	82
171	Probing the Role of Zr Addition versus Textural Properties in Enhancement of CO <sub>2</sub> Adsorption Performance in Silica/PEI Composite Sorbents. <i>Langmuir</i> , <b>2015</b> , 31, 9356-65	4	19

170	Linking CO <sub>2</sub> Sorption Performance to Polymer Morphology in Aminopolymer/Silica Composites through Neutron Scattering. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 11749-59	16.4	88
169	Amine-Oxide Hybrid Materials for CO <sub>2</sub> Capture from Ambient Air. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 2680-7	24.3	155
168	Potassium incorporated alumina based CO <sub>2</sub> capture sorbents: Comparison with supported amine sorbents under ultra-dilute capture conditions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 486, 78-85	5.1	17
167	Reaction-dependent heteroatom modification of acid/base catalytic cooperativity in aminosilica materials. <i>Applied Catalysis A: General</i> , <b>2015</b> , 504, 429-439	5.1	20
166	Shaping amine-based solid CO <sub>2</sub> adsorbents: Effects of pelletization pressure on the physical and chemical properties. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 204, 34-42	5.3	50
165	Aziridine-Functionalized Mesoporous Silica Membranes on Polymeric Hollow Fibers: Synthesis and Single-Component CO <sub>2</sub> and N <sub>2</sub> Permeation Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 4407-4413	3.9	35
164	Ion exchange of zeolite membranes by a vacuum flow-through technique. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 203, 170-177	5.3	12
163	Modeling and experimental validation of carbon dioxide sorption on hollow fibers loaded with silica-supported poly(ethylenimine). <i>Chemical Engineering Journal</i> , <b>2015</b> , 259, 737-751	14.7	26
162	Direct dual layer spinning of aminosilica/Torlon hollow fiber sorbents with a lumen layer for CO <sub>2</sub> separation by rapid temperature swing adsorption. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132,	2.9	15
161	Solution-Processed Ultrathin Aluminosilicate Nanotube/Poly(vinyl alcohol) Composite Membranes with Partial Alignment of Nanotubes. <i>ChemNanoMat</i> , <b>2015</b> , 1, 102-108	3.5	14
160	Composite Polymer/Oxide Hollow Fiber Contactors: Versatile and Scalable Flow Reactors for Heterogeneous Catalytic Reactions in Organic Synthesis. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 6570-6574	3.6	18
159	Spatial arrangement and acid strength effects on acid/base cooperatively catalyzed aldol condensation on aminosilica materials. <i>Journal of Catalysis</i> , <b>2015</b> , 325, 19-25	7.3	50
158	PIM-1 as a Solution-Processable Molecular Basket for CO <sub>2</sub> Capture from Dilute Sources. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 1415-1419	6.6	44
157	Probing Intramolecular versus Intermolecular CO <sub>2</sub> Adsorption on Amine-Grafted SBA-15. <i>Langmuir</i> , <b>2015</b> , 31, 13350-60	4	49
156	Material properties and operating configurations of membrane reactors for propane dehydrogenation. <i>AIChE Journal</i> , <b>2015</b> , 61, 922-935	3.6	16
155	Post-grafting amination of alkyl halide-functionalized silica for applications in catalysis, adsorption, and <sup>15</sup> N NMR spectroscopy. <i>Langmuir</i> , <b>2015</b> , 31, 2218-27	4	25
154	Airborne Aldehyde Abatement by Latex Coatings Containing Amine-Functionalized Porous Silicas. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 263-271	3.9	12
153	Interrogating the Carbon and Oxygen K-Edge NEXAFS of a CO <sub>2</sub> -Dosed Hyperbranched Aminosilica. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 148-52	6.4	12

152	Tuning of higher alcohol selectivity and productivity in CO hydrogenation reactions over K/MoS <sub>2</sub> domains supported on mesoporous activated carbon and mixed MgAl oxide. <i>Journal of Catalysis</i> , <b>2015</b> , 324, 88-97	7.3	66
151	CO <sub>2</sub> Sorption Performance of Composite Polymer/Aminosilica Hollow Fiber Sorbents: An Experimental and Modeling Study. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 1783-1795 <sup>3,9</sup>	3.9	22
150	Positive Effect of Water on Zeolite BEA Catalyzed Alkylation of Phenol with Propylene. <i>Catalysis Letters</i> , <b>2014</b> , 144, 434-438	2.8	14
149	Poly(ethyleneimine) infused and functionalized Torlon® -silica hollow fiber sorbents for post-combustion CO <sub>2</sub> capture. <i>Polymer</i> , <b>2014</b> , 55, 1341-1346	3.9	19
148	Poly(amide-imide)/silica supported PEI hollow fiber sorbents for postcombustion CO <sub>2</sub> capture by RTSA. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 19336-46	9.5	45
147	Silylated mesoporous silica membranes on polymeric hollow fiber supports: synthesis and permeation properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 17877-86	9.5	18
146	Important roles of enthalpic and entropic contributions to CO <sub>2</sub> capture from simulated flue gas and ambient air using mesoporous silica grafted amines. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 13170-3	16.4	106
145	Stability of Supported Amine Adsorbents to SO <sub>2</sub> and NO <sub>x</sub> in Postcombustion CO <sub>2</sub> Capture. 2. Multicomponent Adsorption. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 12103-12110	3.9	51
144	Thermal, Oxidative and CO <sub>2</sub> Induced Degradation of Primary Amines Used for CO <sub>2</sub> Capture: Effect of Alkyl Linker on Stability. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 12302-12311	3.8	80
143	Polymer- and silica-supported iron BPMEN-inspired catalysts for C-H bond functionalization reactions. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 3142-52	4.5	10
142	On the homogeneity/heterogeneity of solid copper oxide precatalysts in the oxidative homocoupling of ethynylbenzene. <i>Journal of Molecular Catalysis A</i> , <b>2014</b> , 395, 514-522		8
141	Supported K/MoS <sub>2</sub> and K/Mo <sub>2</sub> C Catalysts for Higher Alcohol Synthesis from Synthesis Gas: Impact of Molybdenum Precursor and Metal Oxide Support on Activity and Selectivity. <i>Catalysis Letters</i> , <b>2014</b> , 144, 825-830	2.8	13
140	Evaluation of CO <sub>2</sub> adsorption dynamics of polymer/silica supported poly(ethylenimine) hollow fiber sorbents in rapid temperature swing adsorption. <i>International Journal of Greenhouse Gas Control</i> , <b>2014</b> , 21, 61-71	4.2	58
139	Recyclable Silica-Supported Iridium Bipyridine Catalyst for Aromatic C≡C Borylation. <i>ACS Catalysis</i> , <b>2014</b> , 4, 1365-1375	13.1	39
138	Separation membranes. Interfacial microfluidic processing of metal-organic framework hollow fiber membranes. <i>Science</i> , <b>2014</b> , 345, 72-5	33.3	492
137	Direct synthesis of single-walled aminoaluminosilicate nanotubes with enhanced molecular adsorption selectivity. <i>Nature Communications</i> , <b>2014</b> , 5, 3342	17.4	70
136	Steam induced structural changes of a poly(ethylenimine) impregnated γ-Al <sub>2</sub> O <sub>3</sub> sorbent for CO <sub>2</sub> extraction from ambient air. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 9245-55	9.5	67
135	Enhanced formaldehyde-vapor adsorption capacity of polymeric amine-incorporated aminosilicas. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 6381-90	4.8	41

134	Effect of Amine Surface Coverage on the Co-Adsorption of CO <sub>2</sub> and Water: Spectral Deconvolution of Adsorbed Species. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 4194-200	6.4	139
133	Aminosilanes grafted to basic alumina as CO <sub>2</sub> adsorbents--role of grafting conditions on CO <sub>2</sub> adsorption properties. <i>ChemSusChem</i> , <b>2014</b> , 7, 3145-56	8.3	25
132	Dynamic CO <sub>2</sub> adsorption performance of internally cooled silica-supported poly(ethylenimine) hollow fiber sorbents. <i>AIChE Journal</i> , <b>2014</b> , 60, 3878-3887	3.6	50
131	Guanidinylated poly(allylamine) supported on mesoporous silica for CO <sub>2</sub> capture from flue gas. <i>Fuel</i> , <b>2014</b> , 121, 79-85	7.1	45
130	Mixed-linker zeolitic imidazolate framework mixed-matrix membranes for aggressive CO <sub>2</sub> separation from natural gas. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 192, 43-51	5.3	82
129	Influence of Cobalt on Rubidium-Promoted Alumina-Supported Molybdenum Carbide Catalysts for Higher Alcohol Synthesis from Syngas. <i>Topics in Catalysis</i> , <b>2013</b> , 56, 1740-1751	2.3	10
128	Zeolite topology effects in the alkylation of phenol with propylene. <i>Applied Catalysis A: General</i> , <b>2013</b> , 459, 114-120	5.1	32
127	Silica-immobilized chiral dirhodium(II) catalyst for enantioselective carbenoid reactions. <i>Organic Letters</i> , <b>2013</b> , 15, 6136-9	6.2	56
126	Tuning acid-base cooperativity to create next generation silica-supported organocatalysts. <i>Journal of Catalysis</i> , <b>2013</b> , 308, 60-72	7.3	105
125	On the Relationship between Mo K-Edge Energies and DFT Computed Partial Charges. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 2769-2773	3.8	15
124	Soluble and Supported Molecular Co(III) Catalysts for the Regioselective Ring-Opening of 1,2-Epoxyhexane with Methanol. <i>ChemCatChem</i> , <b>2013</b> , 5, 201-209	5.2	9
123	Reaction pathways over copper and cerium oxide catalysts for direct synthesis of imines from amines under aerobic conditions. <i>Journal of Catalysis</i> , <b>2013</b> , 301, 116-124	7.3	55
122	Post-spinning infusion of poly(ethyleneimine) into polymer/silica hollow fiber sorbents for carbon dioxide capture. <i>Chemical Engineering Journal</i> , <b>2013</b> , 221, 166-175	14.7	71
121	Tunable CO <sub>2</sub> Adsorbents by Mixed-Linker Synthesis and Postsynthetic Modification of Zeolitic Imidazolate Frameworks. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 8198-8207	3.8	106
120	Aminosilane-grafted polymer/silica hollow fiber adsorbents for CO <sub>2</sub> capture from flue gas. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 3921-31	9.5	115
119	Aminopolymer/Silica Composite-Supported Pd Catalysts for Selective Hydrogenation of Alkynes. <i>ACS Catalysis</i> , <b>2013</b> , 3, 1700-1708	13.1	92
118	Amine-functionalized porous silicas as adsorbents for aldehyde abatement. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 5569-77	9.5	80
117	Origins of Unusual Alcohol Selectivities over Mixed MgAl Oxide-Supported K/MoS <sub>2</sub> Catalysts for Higher Alcohol Synthesis from Syngas. <i>ACS Catalysis</i> , <b>2013</b> , 3, 1665-1675	13.1	50



116	Seeded growth, silylation, and organic/water separation properties of MCM-48 membranes. <i>Journal of Membrane Science</i> , <b>2013</b> , 427, 293-302	9.6	12
115	Evaluation of enantiopure and non-enantiopure Co(III)-salen catalysts and their counter-ion effects in the hydrolytic kinetic resolution (HKR) of racemic epichlorohydrin. <i>Journal of Molecular Catalysis A</i> , <b>2013</b> , 366, 1-7		15
114	Oxidative Stability of Amino Polymer-Alumina Hybrid Adsorbents for Carbon Dioxide Capture. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 1547-1554	4.1	64
113	Vapor-Phase Transport as A Novel Route to Hyperbranched Polyamine-Oxide Hybrid Materials. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 613-622	9.6	44
112	Stability of Supported Amine Adsorbents to SO <sub>2</sub> and NO <sub>x</sub> in Postcombustion CO <sub>2</sub> Capture. 1. Single-Component Adsorption. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 12192-12201	3.9	91
111	Polymer Resin Supported Cobalt-Salen Catalysts: Role of Co(II) Salen Species in the Regioselective Ring Opening of 1,2-Epoxyhexane with Methanol. <i>ChemCatChem</i> , <b>2013</b> , 5, 3636-3643	5.2	10
110	Effect of support structure on CO <sub>2</sub> adsorption properties of pore-expanded hyperbranched aminosilicas. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 151, 231-240	5.3	52
109	Sonication-induced Ostwald ripening of ZIF-8 nanoparticles and formation of ZIF-8/polymer composite membranes. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 158, 292-299	5.3	153
108	Enhanced CO <sub>2</sub> adsorption over polymeric amines supported on heteroatom-incorporated SBA-15 silica: impact of heteroatom type and loading on sorbent structure and adsorption performance. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 16649-64	4.8	100
107	Tuning cooperativity by controlling the linker length of silica-supported amines in catalysis and CO <sub>2</sub> capture. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 13950-3	16.4	143
106	Dynamics of CO <sub>2</sub> Adsorption on Amine Adsorbents. 1. Impact of Heat Effects. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 15145-15152	3.9	54
105	Cooperative Catalysis with Acid-Base Bifunctional Mesoporous Silica: Impact of Grafting and Co-condensation Synthesis Methods on Material Structure and Catalytic Properties. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 2433-2442	9.6	132
104	Modification of the Mg/DOBDC MOF with Amines to Enhance CO <sub>2</sub> Adsorption from Ultradilute Gases. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 1136-41	6.4	221
103	Continuous Polycrystalline Zeolitic Imidazolate Framework-90 Membranes on Polymeric Hollow Fibers. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 10767-10770	3.6	28
102	Continuous polycrystalline zeolitic imidazolate framework-90 membranes on polymeric hollow fibers. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 10615-8	16.4	156
101	Structure-Property Relationships of Inorganically Surface-Modified Zeolite Molecular Sieves for Nanocomposite Membrane Fabrication. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 9636-9645	3.8	35
100	Dynamics of CO <sub>2</sub> Adsorption on Amine Adsorbents. 2. Insights Into Adsorbent Design. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 15153-15162	3.9	89
99	Hybrid Zeolitic Imidazolate Frameworks: Controlling Framework Porosity and Functionality by Mixed-Linker Synthesis. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 1930-1936	9.6	164



98	Influence of Passivation on the Reactivity of Unpromoted and Rb-Promoted Mo <sub>2</sub> C Nanoparticles for CO Hydrogenation. <i>ACS Catalysis</i> , <b>2012</b> , 2, 1408-1416	13.1	29
97	Depolymerization and hydrodeoxygenation of switchgrass lignin with formic acid. <i>ChemSusChem</i> , <b>2012</b> , 5, 667-75	8.3	200
96	Role of amine structure on carbon dioxide adsorption from ultradilute gas streams such as ambient air. <i>ChemSusChem</i> , <b>2012</b> , 5, 2058-64	8.3	151
95	Dramatic enhancement of CO <sub>2</sub> uptake by poly(ethyleneimine) using zirconosilicate supports. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 10757-60	16.4	183
94	Mixed MgAl Oxide Supported Potassium Promoted Molybdenum Sulfide as a Selective Catalyst for Higher Alcohol Synthesis from Syngas. <i>Catalysis Letters</i> , <b>2012</b> , 142, 875-881	2.8	27
93	Catalytic Regioselective Epoxide Ring Opening with Phenol Using Homogeneous and Supported Analogues of Dimethylaminopyridine. <i>Topics in Catalysis</i> , <b>2012</b> , 55, 432-438	2.3	14
92	Application of amine-tethered solid sorbents for direct CO <sub>2</sub> capture from the ambient air. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 2420-7	10.3	306
91	Modified Mesoporous Silica Gas Separation Membranes on Polymeric Hollow Fibers. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 3025-3028	9.6	75
90	Oxidative Degradation of Aminosilica Adsorbents Relevant to Postcombustion CO <sub>2</sub> Capture. <i>Energy &amp; Fuels</i> , <b>2011</b> , 25, 2416-2425	4.1	127
89	High efficiency nanocomposite sorbents for CO <sub>2</sub> capture based on amine-functionalized mesoporous capsules. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 444-452	35.4	404
88	Poly(allylamine)/Mesoporous Silica Composite Materials for CO <sub>2</sub> Capture from Simulated Flue Gas or Ambient Air. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 14203-14210	3.9	148
87	Amine-oxide hybrid materials for acid gas separations. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 15100		283
86	Mesoporous Alumina-Supported Amines as Potential Steam-Stable Adsorbents for Capturing CO <sub>2</sub> from Simulated Flue Gas and Ambient Air. <i>Energy &amp; Fuels</i> , <b>2011</b> , 25, 5528-5537	4.1	201
85	Co(III)-Porphyrin-Mediated Highly Regioselective Ring-Opening of Terminal Epoxides with Alcohols and Phenols. <i>ACS Catalysis</i> , <b>2011</b> , 1, 489-492	13.1	37
84	CO <sub>2</sub> capture from dilute gases as a component of modern global carbon management. <i>Annual Review of Chemical and Biomolecular Engineering</i> , <b>2011</b> , 2, 31-52	8.9	196
83	Hybrid Sulfonic Acid Catalysts Based on Silica-Supported Poly(Styrene Sulfonic Acid) Brush Materials and Their Application in Ester Hydrolysis. <i>ACS Catalysis</i> , <b>2011</b> , 1, 674-681	13.1	60
82	Formation of Mg(OH) <sub>2</sub> nanowhiskers on LTA zeolite surfaces using a sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , <b>2011</b> , 60, 189-197	2.3	6
81	Switchgrass pretreatment and hydrolysis using low concentrations of formic acid. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2011</b> , 86, 706-713	3.5	23

80	Aminosilica materials as adsorbents for the selective removal of aldehydes and ketones from simulated bio-oil. <i>ChemSusChem</i> , <b>2011</b> , 4, 379-85	8.3	24
79	Amine-tethered solid adsorbents coupling high adsorption capacity and regenerability for CO <sub>2</sub> capture from ambient air. <i>ChemSusChem</i> , <b>2011</b> , 4, 628-35	8.3	227
78	Poly(L-lysine) brush-mesoporous silica hybrid material as a biomolecule-based adsorbent for CO <sub>2</sub> capture from simulated flue gas and air. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 10556-61	4.8	73
77	Single-Walled Aluminosilicate Nanotubes with Organic-Modified Interiors. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 7676-7685	3.8	65
76	Solvothermal deposition and characterization of magnesium hydroxide nanostructures on zeolite crystals. <i>Microporous and Mesoporous Materials</i> , <b>2011</b> , 139, 120-129	5.3	43
75	Recoverable and recyclable magnetic nanoparticle supported aluminium isopropoxide for ring-opening polymerization of epsilon-caprolactone. <i>Dalton Transactions</i> , <b>2010</b> , 39, 1470-2	4.3	19
74	Dehydration, dehydroxylation, and rehydroxylation of single-walled aluminosilicate nanotubes. <i>ACS Nano</i> , <b>2010</b> , 4, 4897-907	16.7	74
73	Stability of Zeolites in Hot Liquid Water. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 19582-19595	3.8	207
72	Structural changes of silica mesocellular foam supported amine-functionalized CO <sub>2</sub> adsorbents upon exposure to steam. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 3363-72	9.5	127
71	A Convergence of Homogeneous and Heterogeneous Catalysis: Immobilized Organometallic Catalysts <b>2010</b> , 441-455		2
70	Kinetic Evaluation of Cooperative [Co(salen)] Catalysts in the Hydrolytic Kinetic Resolution of rac-Epichlorohydrin. <i>ChemCatChem</i> , <b>2010</b> , 2, 1252-1259	5.2	23
69	On the Stability and Recyclability of Supported Metal-Ligand Complex Catalysts: Myths, Misconceptions and Critical Research Needs. <i>Topics in Catalysis</i> , <b>2010</b> , 53, 942-952	2.3	122
68	Oxidative Heck Coupling Using Pd(II) Supported on Organosilane-Functionalized Silica Mesocellular Foam. <i>Topics in Catalysis</i> , <b>2010</b> , 53, 1048-1054	2.3	14
67	Effect of Counter-Ion on Recycle of Polymer Resin Supported Co(III)-Salen Catalysts in the Hydrolytic Kinetic Resolution of Epichlorohydrin. <i>Topics in Catalysis</i> , <b>2010</b> , 53, 1063-1065	2.3	15
66	Steam-stripping for regeneration of supported amine-based CO <sub>2</sub> adsorbents. <i>ChemSusChem</i> , <b>2010</b> , 3, 899-903	8.3	160
65	A High-Performance Gas-Separation Membrane Containing Submicrometer-Sized Metal-Organic Framework Crystals. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 10059-10062	3.6	79
64	A high-performance gas-separation membrane containing submicrometer-sized metal-organic framework crystals. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 9863-6	16.4	558
63	Highly dispersed palladium nanoparticles on ultra-porous silica mesocellular foam for the catalytic decarboxylation of stearic acid. <i>Microporous and Mesoporous Materials</i> , <b>2010</b> , 132, 174-180	5.3	84

62	Factors influencing recyclability of Co(III)-salen catalysts in the hydrolytic kinetic resolution of epichlorohydrin. <i>Journal of Molecular Catalysis A</i> , <b>2010</b> , 316, 8-15		30
61	Highly active oligomeric Co(salen) catalysts for the asymmetric synthesis of β-aryloxy or β-alkoxy alcohols via kinetic resolution of terminal epoxides. <i>Journal of Molecular Catalysis A</i> , <b>2010</b> , 329, 1-6		24
60	Synthesis/Structure/Property Relationships for Hyperbranched Aminosilica CO <sub>2</sub> Adsorbents. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 3821-3832	15.6	249
59	A versatile co(bisalen) unit for homogeneous and heterogeneous cooperative catalysis in the hydrolytic kinetic resolution of epoxides. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 3951-5	4.8	38
58	Adsorbent materials for carbon dioxide capture from large anthropogenic point sources. <i>ChemSusChem</i> , <b>2009</b> , 2, 796-854	8.3	1925
57	Acid-catalyzed conversion of sugars and furfurals in an ionic-liquid phase. <i>ChemSusChem</i> , <b>2009</b> , 2, 665-718.	3	215
56	Magnetic Nanoparticle Polymer Brush Catalysts: Alternative Hybrid Organic/Inorganic Structures to Obtain High, Local Catalyst Loadings for Use in Organic Transformations. <i>Catalysis Letters</i> , <b>2009</b> , 131, 425-431	2.8	59
55	Leached nickel promotes catalysis using supported Ni(II) complex precatalysts in Kumada-Corriu reactions. <i>Journal of Molecular Catalysis A</i> , <b>2009</b> , 297, 125-134		21
54	Mechanistic Aspects of Sterically Stabilized Controlled Radical Inverse Miniemulsion Polymerization. <i>Macromolecules</i> , <b>2009</b> , 42, 3906-3916	5.5	22
53	Ionic-Liquid-Phase Hydrolysis of Pine Wood. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 1277-1286	3.9	133
52	Facile high-yield solvothermal deposition of inorganic nanostructures on zeolite crystals for mixed matrix membrane fabrication. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 14662-3	16.4	101
51	Nanoscale design to enable the revolution in renewable energy. <i>Energy and Environmental Science</i> , <b>2009</b> , 2, 559	35.4	311
50	Hollow Fiber Adsorbents for CO <sub>2</sub> Removal from Flue Gas. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 7314-7324	3.9	153
49	Global Warming and Carbon-Negative Technology: Prospects for a Lower-Cost Route to a Lower-Risk Atmosphere. <i>Energy and Environment</i> , <b>2009</b> , 20, 973-984	2.4	27
48	Designing adsorbents for CO <sub>2</sub> capture from flue gas-hyperbranched aminosilicas capable of capturing CO <sub>2</sub> reversibly. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 2902-3	16.4	636
47	Dilute Acid Hydrolysis of Loblolly Pine: A Comprehensive Approach. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 7131-7140	3.9	116
46	Rational approach to polymer-supported catalysts: synergy between catalytic reaction mechanism and polymer design. <i>Accounts of Chemical Research</i> , <b>2008</b> , 41, 1153-65	24.3	173
45	Functionalization of the Internal Surface of Pure-Silica MFI Zeolite with Aliphatic Alcohols. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 3543-3551	3.8	51

44	Emulsion and controlled miniemulsion polymerization of the renewable monomer $\epsilon$ -methyl- $\epsilon$ -methylene- $\epsilon$ -butyrolactone. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 5929-5944	2.5	42
43	Enhanced cooperativity through design: pendant Co(III)-salen polymer brush catalysts for the hydrolytic kinetic resolution of epichlorohydrin (salen=N,N'-bis(salicylidene)ethylenediamine dianion). <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 7306-13	4.8	65
42	Assessing site-isolation of amine groups on aminopropyl-functionalized SBA-15 silica materials via spectroscopic and reactivity probes. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 3024-3032	2.7	23
41	Mizoroki-Heck coupling using immobilized molecular precatalysts: leaching active species from Pd pincers, entrapped Pd salts, and Pd NHC complexes. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 1865-75	5.1	194
40	Ring-expanding olefin metathesis: a route to highly active unsymmetrical macrocyclic oligomeric co-salen catalysts for the hydrolytic kinetic resolution of epoxides. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 1105-12	16.4	117
39	Importance of counterion reactivity on the deactivation of Co-salen catalysts in the hydrolytic kinetic resolution of epichlorohydrin. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 8887-96	5.1	43
38	A New Strategy for Engineering One-pot, Multi-step Reaction Sequences with Catalyst Recovery in Pure Form. <i>Studies in Surface Science and Catalysis</i> , <b>2007</b> , 172, 485-488	1.8	
37	RAFT Inverse Miniemulsion Polymerization of Acrylamide. <i>Macromolecular Rapid Communications</i> , <b>2007</b> , 28, 1010-1016	4.8	51
36	Homogeneous and heterogeneous 4-(N,N-dialkylamino)pyridines as effective single component catalysts in the synthesis of propylene carbonate. <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 261, 160-166		62
35	Strong evidence of solution-phase catalysis associated with palladium leaching from immobilized thiols during Heck and Suzuki coupling of aryl iodides, bromides, and chlorides. <i>Journal of Catalysis</i> , <b>2007</b> , 251, 80-93	7.3	191
34	Stability of supported pincer complex-based catalysts in Heck catalysis <b>2007</b> , 385-397		0
33	Highly accessible catalytic sites on recyclable organosilane-functionalized magnetic nanoparticles: An alternative to functionalized porous silica catalysts. <i>Journal of Molecular Catalysis A</i> , <b>2006</b> , 253, 123-131		226
32	Expanding the utility of one-pot multistep reaction networks through compartmentation and recovery of the catalyst. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 2209-12	16.4	168
31	Expanding the Utility of One-Pot Multistep Reaction Networks through Compartmentation and Recovery of the Catalyst. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 2267-2270	3.6	31
30	Impact of flow regime on polydispersity in tubular RAFT miniemulsion polymerization. <i>AICHE Journal</i> , <b>2006</b> , 52, 1566-1576	3.6	31
29	Controlling the density of amine sites on silica surfaces using benzyl spacers. <i>Langmuir</i> , <b>2006</b> , 22, 2676-81		98
28	Spacing and Site Isolation of Amine Groups in 3-Aminopropyl-Grafted Silica Materials: The Role of Protecting Groups. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 5022-5032	9.6	102
27	Transients in RAFT Miniemulsion Polymerization in CSTR Trains. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 7084-7089	3.9	12

26	A practical one-pot synthesis of enantiopure unsymmetrical salen ligands. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 2903-6	4.2	77
25	Poly(styrene)-supported co-salen complexes as efficient recyclable catalysts for the hydrolytic kinetic resolution of epichlorohydrin. <i>Chemistry - A European Journal</i> , <b>2005</b> , 12, 576-83	4.8	86
24	Investigations into the Stability of Tethered Palladium(II) Pincer Complexes during Heck Catalysis. <i>Organometallics</i> , <b>2005</b> , 24, 4351-4361	3.8	139
23	Continuous Living Polymerization in Miniemulsion Using Reversible Addition Fragmentation Chain Transfer (RAFT) in a Tubular Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 2484-2493	3.9	66
22	Modulating the Reactivity of an Organometallic Catalyst via Immobilization on a Spatially Patterned Silica Surface. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 4758-4761	9.6	28
21	Effect of metallation protocol on the preparation and performance of silica-immobilized Ti CGC-inspired ethylene polymerization catalysts. <i>Journal of Molecular Catalysis A</i> , <b>2005</b> , 237, 26-35		11
20	Recyclable polymerization catalysts: methyl methacrylate polymerization with silica-supported CuBr/bipyridine atom transfer radical polymerization catalysts. <i>Journal of Catalysis</i> , <b>2005</b> , 232, 276-294	7.3	25
19	Continuous RAFT miniemulsion polymerization of styrene in a train of CSTRs. <i>AIChE Journal</i> , <b>2005</b> , 51, 1009-1021	3.6	34
18	Design of silica-tethered metal complexes for polymerization catalysis. <i>Topics in Catalysis</i> , <b>2005</b> , 34, 67-76	6.3	32
17	Miniemulsion reversible addition fragmentation chain transfer polymerization of vinyl acetate. <i>Journal of Polymer Science Part A</i> , <b>2005</b> , 43, 2188-2193	2.5	53
16	Silica and polymer-tethered Pd/CS-pincer complexes: evidence for precatalyst decomposition to form soluble catalytic species in Mizoroki-Heck chemistry. <i>Journal of Catalysis</i> , <b>2004</b> , 226, 101-110	7.3	159
15	Effect of the synthetic method and support porosity on the structure and performance of silica-supported CuBr/pyridylmethanimine atom transfer radical polymerization catalysts. I. Catalyst preparation and characterization. <i>Journal of Polymer Science Part A</i> , <b>2004</b> , 42, 1367-1383	2.5	21
14	Effect of the synthetic method and support porosity on the structure and performance of silica-supported CuBr/pyridylmethanimine atom transfer radical polymerization catalysts. II. Polymerization of methyl methacrylate. <i>Journal of Polymer Science Part A</i> , <b>2004</b> , 42, 1384-1399	2.5	18
13	Continuous Reversible Addition-Fragmentation Chain Transfer Polymerization in Miniemulsion Utilizing a Multi-Tube Reaction System. <i>Macromolecular Rapid Communications</i> , <b>2004</b> , 25, 1064-1068	4.8	73
12	Elucidating the role of silica surfaces in the ring-opening polymerization of lactide: catalytic behavior of silica-immobilized zinc diiminate complexes. <i>Journal of Catalysis</i> , <b>2004</b> , 222, 558-564	7.3	37
11	Role of Amine Structure and Site Isolation on the Performance of Aminosilica-Immobilized Zirconium CGC-Inspired Ethylene Polymerization Catalysts. <i>Organometallics</i> , <b>2004</b> , 23, 4089-4096	3.8	35
10	Toward single-site, immobilized molecular catalysts: site-isolated Ti ethylene polymerization catalysts supported on porous silica. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 3052-3	16.4	118
9	Design, Behavior, and Recycling of Silica-Supported CuBr/bipyridine ATRP Catalysts. <i>Macromolecules</i> , <b>2004</b> , 37, 1190-1203	5.5	74

8	Synthesis of Block Copolymers Using RAFT Miniemulsion Polymerization in a Train of CSTRs. <i>Macromolecules</i> , <b>2004</b> , 37, 9345-9354	5.5	51
7	Silica-Immobilized Zinc Diimine Catalysts for the Copolymerization of Epoxides and Carbon Dioxide. <i>Organometallics</i> , <b>2003</b> , 22, 2571-2580	3.8	49
6	Toward Single-Site Functional Materials Preparation of Amine-Functionalized Surfaces Exhibiting Site-Isolated Behavior. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 1132-1139	9.6	150
5	Materials science. Zeolites go organic. <i>Science</i> , <b>2003</b> , 300, 439-40	33.3	34
4	Tailoring molecular sieve properties during SDA removal via solvent extraction. <i>Microporous and Mesoporous Materials</i> , <b>2001</b> , 48, 57-64	5.3	44
3	Synthesis of Hydrophobic Molecular Sieves by Hydrothermal Treatment with Acetic Acid. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 1041-1050	9.6	43
2	Organic-functionalized molecular sieves as shape-selective catalysts. <i>Nature</i> , <b>1998</b> , 393, 52-54	50.4	375
1	Tethering Olefin Polymerization Catalysts and Cocatalysts to Inorganic Oxides 239-260		3