

Mark E Davis

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.

212
papers

34,858
citations

80
h-index

186
g-index

224
ext. papers

37,266
ext. citations

11.7
avg, IF

7.92
L-index

#	Paper	IF	Citations
212	βCyclodextrin-containing polymer treatment of cutaneous lupus and influenza improves outcomes. <i>Molecular Therapy</i> , 2021 ,	11.7	2
211	Methanol-to-olefins catalysis on ERI-type molecular sieves: towards enhancing ethylene selectivity. <i>Journal of Catalysis</i> , 2021 , 404, 620-620	7.3	1
210	Further Investigations of Racemic and Chiral Molecular Sieves of the STW Topology. <i>Chemistry of Materials</i> , 2021 , 33, 1752-1759	9.6	2
209	Sulfonic Acid-Functionalized Zeolite Beta: Bronsted Acid Catalysts for Reactions Involving Liquid Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 17120-17127	8.3	0
208	Inhibition of interleukin-6 on matrix protein production by glomerular mesangial cells and the pathway involved. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 318, F1478-F1488	4.3	8
207	Fluoride-free Synthesis of Germanosilicate CIT-13 and Its Inverse Sigma Transformation To Form CIT-14. <i>Chemistry of Materials</i> , 2020 , 32, 2014-2024	9.6	3
206	Initiating a research-focused academic career in chemical engineering: Perspectives from faculty at different career stages. <i>AIChE Journal</i> , 2020 , 66, e16927	3.6	0
205	Nanoparticles Containing a Combination of a Drug and an Antibody for the Treatment of Breast Cancer Brain Metastases. <i>Molecular Pharmaceutics</i> , 2020 , 17, 717-721	5.6	6
204	Carbonylation of Dimethyl Ether to Methyl Acetate over SSZ-13. <i>ACS Catalysis</i> , 2020 , 10, 842-851	13.1	19
203	Host immune response to anti-cancer camptothecin conjugated cyclodextrin-based polymers. <i>Journal of Biomedical Science</i> , 2019 , 26, 85	13.3	11
202	Cage-Defining Ring: A Molecular Sieve Structural Indicator for Light Olefin Product Distribution from the Methanol-to-Olefins Reaction. <i>ACS Catalysis</i> , 2019 , 9, 6012-6019	13.1	43
201	Transformation of Extra-Large Pore Germanosilicate CIT-13 Molecular Sieve into Extra-Large Pore CIT-5 Molecular Sieve. <i>Chemistry of Materials</i> , 2019 , 31, 9777-9787	9.6	9
200	Integration of thermochemical water splitting with CO direct air capture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 25001-25007	11.5	6
199	Method of establishing breast cancer brain metastases affects brain uptake and efficacy of targeted, therapeutic nanoparticles. <i>Bioengineering and Translational Medicine</i> , 2019 , 4, 30-37	14.8	21
198	A Chromium Hydroxide/MIL-101(Cr) MOF Composite Catalyst and Its Use for the Selective Isomerization of Glucose to Fructose. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 4926-4930	16.4	54
197	A Chromium Hydroxide/MIL-101(Cr) MOF Composite Catalyst and Its Use for the Selective Isomerization of Glucose to Fructose. <i>Angewandte Chemie</i> , 2018 , 130, 5020-5024	3.6	25
196	Small-Pore Zeolites: Synthesis and Catalysis. <i>Chemical Reviews</i> , 2018 , 118, 5265-5329	68.1	336

195	Further Studies on How the Nature of Zeolite Cavities That Are Bounded by Small Pores Influences the Conversion of Methanol to Light Olefins. <i>ChemPhysChem</i> , 2018 , 19, 412-419	3.2	25
194	A Thirty-Year Journey to the Creation of the First Enantiomerically Enriched Molecular Sieve. <i>ACS Catalysis</i> , 2018 , 8, 10082-10088	13.1	17
193	Enantiomerically enriched, polycrystalline molecular sieves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 5101-5106	11.5	79
192	Negative regulation of Smad1 pathway and collagen IV expression by store-operated Ca entry in glomerular mesangial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 312, F1090-F1100	4.3	12
191	Structural and kinetic changes to small-pore Cu-zeolites after hydrothermal aging treatments and selective catalytic reduction of NO _x with ammonia. <i>Reaction Chemistry and Engineering</i> , 2017 , 2, 168-179	4.9	36
190	Pilot trial of CRLX101 in patients with advanced, chemotherapy-refractory gastroesophageal cancer. <i>Journal of Gastrointestinal Oncology</i> , 2017 , 8, 962-969	2.8	16
189	CIT-9: A Fault-Free Gmelinite Zeolite. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13475-13478	16.4	14
188	CIT-9: A Fault-Free Gmelinite Zeolite. <i>Angewandte Chemie</i> , 2017 , 129, 13660-13663	3.6	3
187	Store-operated calcium entry suppressed the TGF- β /Smad3 signaling pathway in glomerular mesangial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, F729-F739	4.3	11
186	Steam-dealuminated, OSDA-free RHO and KFI-type zeolites as catalysts for the methanol-to-olefins reaction. <i>Microporous and Mesoporous Materials</i> , 2016 , 232, 126-137	5.3	24
185	Synthesis of Germanosilicate Molecular Sieves from Mono- and Di-Quaternary Ammonium OSDAs Constructed from Benzyl Imidazolium Derivatives: Stabilization of Large Micropore Volumes Including New Molecular Sieve CIT-13. <i>Chemistry of Materials</i> , 2016 , 28, 2158-2164	9.6	24
184	Facile Synthesis, Characterization, and Catalytic Behavior of a Large-Pore Zeolite with the IWW Framework. <i>Chemistry - A European Journal</i> , 2016 , 22, 4022-9	4.8	20
183	CRLX101 nanoparticles localize in human tumors and not in adjacent, nonneoplastic tissue after intravenous dosing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3850-4	11.5	122
182	Catalysis by framework zinc in silica-based molecular sieves. <i>Chemical Science</i> , 2016 , 7, 2264-2274	9.4	47
181	Effect of Heteroatom Concentration in SSZ-13 on the Methanol-to-Olefins Reaction. <i>ACS Catalysis</i> , 2016 , 6, 542-550	13.1	89
180	Pillared Sn-MWW Prepared by a Solid-State-Exchange Method and its Use as a Lewis Acid Catalyst. <i>ChemCatChem</i> , 2016 , 8, 1274-1278	5.2	25
179	Tin Silsesquioxanes as Models for the Open Site in Tin-Containing Zeolite Beta. <i>ChemCatChem</i> , 2016 , 8, 121-124	5.2	33
178	Synthesis and Characterization of CIT-13, a Germanosilicate Molecular Sieve with Extra-Large Pore Openings. <i>Chemistry of Materials</i> , 2016 , 28, 6250-6259	9.6	38

177	Methyl-ligated tin silsesquioxane catalyzed reactions of glucose. <i>Journal of Catalysis</i> , 2016 , 341, 62-71	7.3	12
176	Synthesis of the RTH-type layer: the first small-pore, two dimensional layered zeolite precursor. <i>Chemical Science</i> , 2015 , 6, 5955-5963	9.4	29
175	Organic-Free Synthesis of CHA-Type Zeolite Catalysts for the Methanol-to-Olefins Reaction. <i>ACS Catalysis</i> , 2015 , 5, 4456-4465	13.1	65
174	Solid State NMR Characterization of Sn-Beta Zeolites that Catalyze Glucose Isomerization and Epimerization. <i>Topics in Catalysis</i> , 2015 , 58, 435-440	2.3	32
173	Lack of in vivo antibody dependent cellular cytotoxicity with antibody containing gold nanoparticles. <i>Bioconjugate Chemistry</i> , 2015 , 26, 812-6	6.3	18
172	Upgrading Light Hydrocarbons: A Tandem Catalytic System for Alkane/Alkene Coupling. <i>Topics in Catalysis</i> , 2015 , 58, 494-501	2.3	24
171	The Effect of Adsorbed Molecule Gas-Phase Deprotonation Enthalpy on Ion Exchange in Sodium Exchanged Zeolites: An In Situ FTIR Investigation. <i>Topics in Catalysis</i> , 2015 , 58, 393-404	2.3	19
170	CIT-7, a crystalline, molecular sieve with pores bounded by 8 and 10-membered rings. <i>Chemical Science</i> , 2015 , 6, 1728-1734	9.4	32
169	Synthesis of RTH-Type Zeolites Using a Diverse Library of Imidazolium Cations. <i>Chemistry of Materials</i> , 2015 , 27, 3756-3762	9.6	33
168	Effect of Pore and Cage Size on the Formation of Aromatic Intermediates During the Methanol-to-Olefins Reaction. <i>Topics in Catalysis</i> , 2015 , 58, 416-423	2.3	23
167	Store-Operated Ca ²⁺ Channels in Mesangial Cells Inhibit Matrix Protein Expression. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 2691-702	12.7	28
166	Influence of Organic Structure Directing Agent Isomer Distribution on the Synthesis of SSZ-39. <i>Chemistry of Materials</i> , 2015 , 27, 2695-2702	9.6	37
165	Heterogeneous Catalysis for the Conversion of Sugars into Polymers. <i>Topics in Catalysis</i> , 2015 , 58, 405-409	2.3	50
164	Tandem catalysis for the production of alkyl lactates from ketohexoses at moderate temperatures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 11777-82	11.5	81
163	Increased brain uptake of targeted nanoparticles by adding an acid-cleavable linkage between transferrin and the nanoparticle core. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 12486-91	11.5	171
162	Route to Renewable PET: Reaction Pathways and Energetics of Diels-Alder and Dehydrative Aromatization Reactions Between Ethylene and Biomass-Derived Furans Catalyzed by Lewis Acid Molecular Sieves. <i>ACS Catalysis</i> , 2015 , 5, 5904-5913	13.1	73
161	Cationic Mucic Acid Polymer-Based siRNA Delivery Systems. <i>Bioconjugate Chemistry</i> , 2015 , 26, 1791-803	6.3	9
160	Methanol-to-Olefins Catalysis with Hydrothermally Treated Zeolite SSZ-39. <i>ACS Catalysis</i> , 2015 , 5, 6078-6085	6.3	64

159	The Engineering of Biology and Medicine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 14423	11.5	1
158	Self-Pillared, Single-Unit-Cell Sn-MFI Zeolite Nanosheets and Their Use for Glucose and Lactose Isomerization. <i>Angewandte Chemie</i> , 2015 , 127, 10998-11001	3.6	25
157	Self-Pillared, Single-Unit-Cell Sn-MFI Zeolite Nanosheets and Their Use for Glucose and Lactose Isomerization. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10848-51	16.4	115
156	High-silica, heulandite-type zeolites prepared by direct synthesis and topotactic condensation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12890-12897	13	26
155	Facile Synthesis and Catalysis of Pure-Silica and Heteroatom LTA. <i>Chemistry of Materials</i> , 2015 , 27, 7774-7779	3.7	52
154	Clinical experiences with systemically administered siRNA-based therapeutics in cancer. <i>Nature Reviews Drug Discovery</i> , 2015 , 14, 843-56	64.1	288
153	Zeolites from a Materials Chemistry Perspective. <i>Chemistry of Materials</i> , 2014 , 26, 239-245	9.6	208
152	Nickel-Exchanged Zincosilicate Catalysts for the Oligomerization of Propylene. <i>ACS Catalysis</i> , 2014 , 4, 4189-4195	13.1	34
151	The synthesis of aluminophosphate and germanosilicate LTA using a triquaternary structure directing agent. <i>Microporous and Mesoporous Materials</i> , 2014 , 200, 132-139	5.3	22
150	Challenges of and Insights into Acid-Catalyzed Transformations of Sugars. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 22815-22833	3.8	79
149	Active Sites in Sn-Beta for Glucose Isomerization to Fructose and Epimerization to Mannose. <i>ACS Catalysis</i> , 2014 , 4, 2288-2297	13.1	211
148	Pharmacodynamic and pharmacogenomic study of the nanoparticle conjugate of camptothecin CRLX101 for the treatment of cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 1477-86	6	50
147	Facile Preparation of Aluminosilicate RTH across a Wide Composition Range Using a New Organic Structure-Directing Agent. <i>Chemistry of Materials</i> , 2014 , 26, 7099-7105	9.6	20
146	Correlating animal and human phase Ia/Ib clinical data with CALAA-01, a targeted, polymer-based nanoparticle containing siRNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11449-54	11.5	262
145	Synthesis of a specified, silica molecular sieve by using computationally predicted organic structure-directing agents. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8372-4	16.4	76
144	Synthesis of a Specified, Silica Molecular Sieve by Using Computationally Predicted Organic Structure-Directing Agents. <i>Angewandte Chemie</i> , 2014 , 126, 8512-8514	3.6	19
143	Synthesis of terephthalic acid via Diels-Alder reactions with ethylene and oxidized variants of 5-hydroxymethylfurfural. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 8363-7	11.5	205
142	Beyond shape selective catalysis with zeolites: Hydrophobic void spaces in zeolites enable catalysis in liquid water. <i>AIChE Journal</i> , 2013 , 59, 3349-3358	3.6	108

141	Monosaccharide and disaccharide isomerization over Lewis acid sites in hydrophobic and hydrophilic molecular sieves. <i>Journal of Catalysis</i> , 2013 , 308, 176-188	7.3	129
140	Single-antibody, targeted nanoparticle delivery of camptothecin. <i>Molecular Pharmaceutics</i> , 2013 , 10, 2558-67	5.6	51
139	Titanium-Beta Zeolites Catalyze the Stereospecific Isomerization of d-Glucose to l-Sorbose via Intramolecular C5O1 Hydride Shift. <i>ACS Catalysis</i> , 2013 , 3, 1469-1476	13.1	48
138	Spinel Metal Oxide-Alkali Carbonate-Based, Low-Temperature Thermochemical Cycles for Water Splitting and CO ₂ Reduction. <i>Chemistry of Materials</i> , 2013 , 25, 1564-1571	9.6	20
137	Targeted nanoparticles assembled via complexation of boronic-acid-containing targeting moieties to diol-containing polymers. <i>Bioconjugate Chemistry</i> , 2013 , 24, 669-77	6.3	22
136	Transcytosis and brain uptake of transferrin-containing nanoparticles by tuning avidity to transferrin receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 8662-7	11.5	315
135	Systemic delivery of siRNA nanoparticles targeting RRM2 suppresses head and neck tumor growth. <i>Journal of Controlled Release</i> , 2012 , 159, 384-92	11.7	63
134	Framework and Extraframework Tin Sites in Zeolite Beta React Glucose Differently. <i>ACS Catalysis</i> , 2012 , 2, 2705-2713	13.1	233
133	Effect of Cage Size on the Selective Conversion of Methanol to Light Olefins. <i>ACS Catalysis</i> , 2012 , 2, 2490-2495	11.2	112
132	Fighting cancer with nanoparticle medicines—the nanoscale matters. <i>MRS Bulletin</i> , 2012 , 37, 828-835	3.2	25
131	Polycation-siRNA nanoparticles can disassemble at the kidney glomerular basement membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 3137-42	11.5	259
130	Low-temperature, manganese oxide-based, thermochemical water splitting cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 9260-4	11.5	47
129	Metalloenzyme-like catalyzed isomerizations of sugars by Lewis acid zeolites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 9727-32	11.5	303
128	One-Pot Synthesis of 5-(Hydroxymethyl)furfural from Carbohydrates using Tin-Beta Zeolite. <i>ACS Catalysis</i> , 2011 , 1, 408-410	13.1	544
127	Activation of Carbonyl-Containing Molecules with Solid Lewis Acids in Aqueous Media. <i>ACS Catalysis</i> , 2011 , 1, 1566-1580	13.1	313
126	Reply to Perris, Borghese, and Magro. <i>Pigment Cell and Melanoma Research</i> , 2011 , 24, 983-985	4.5	1
125	Clinical developments in nanotechnology for cancer therapy. <i>Pharmaceutical Research</i> , 2011 , 28, 187-99	4.5	145
124	Impact of Controlling the Site Distribution of Al Atoms on Catalytic Properties in Ferrierite-Type Zeolites. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 1096-1102	3.8	96

123	Evidence of RNAi in humans from systemically administered siRNA via targeted nanoparticles. <i>Nature</i> , 2010 , 464, 1067-70	50.4	2018
122	Hybrid Organic-Inorganic Solids That Show Shape Selectivity. <i>Chemistry of Materials</i> , 2010 , 22, 2646-2652	9.6	11
121	Tin-containing zeolites are highly active catalysts for the isomerization of glucose in water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 6164-8	11.5	750
120	Physicochemical Properties and Catalytic Behavior of the Molecular Sieve SSZ-70. <i>Chemistry of Materials</i> , 2010 , 22, 2563-2572	9.6	44
119	Mechanism of active targeting in solid tumors with transferrin-containing gold nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 1235-40	11.5	551
118	Mechanism of Glucose Isomerization Using a Solid Lewis Acid Catalyst in Water. <i>Angewandte Chemie</i> , 2010 , 122, 9138-9141	3.6	85
117	Mechanism of glucose isomerization using a solid Lewis acid catalyst in water. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8954-7	16.4	547
116	Pure-silica LTA, CHA, STT, ITW, and -SVR thin films and powders for low-k applications. <i>Microporous and Mesoporous Materials</i> , 2010 , 130, 49-55	5.3	33
115	Imidazolium structure directing agents in zeolite synthesis: Exploring guest/host relationships in the synthesis of SSZ-70. <i>Microporous and Mesoporous Materials</i> , 2010 , 130, 255-265	5.3	60
114	Preclinical results of camptothecin-polymer conjugate (IT-101) in multiple human lymphoma xenograft models. <i>Clinical Cancer Research</i> , 2009 , 15, 4365-73	12.9	49
113	Pharmacokinetics and tumor dynamics of the nanoparticle IT-101 from PET imaging and tumor histological measurements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 11394-9	11.5	141
112	The rise and realization of molecular chemical engineering. <i>AIChE Journal</i> , 2009 , 55, 1636-1640	3.6	3
111	Design and development of IT-101, a cyclodextrin-containing polymer conjugate of camptothecin. <i>Advanced Drug Delivery Reviews</i> , 2009 , 61, 1189-92	18.5	155
110	The first targeted delivery of siRNA in humans via a self-assembling, cyclodextrin polymer-based nanoparticle: from concept to clinic. <i>Molecular Pharmaceutics</i> , 2009 , 6, 659-68	5.6	810
109	Nanoparticle therapeutics: an emerging treatment modality for cancer 2009 , 239-250		34
108	Nanoparticle therapeutics: an emerging treatment modality for cancer. <i>Nature Reviews Drug Discovery</i> , 2008 , 7, 771-82	64.1	3332
107	Cooperative catalysis by silica-supported organic functional groups. <i>Chemical Society Reviews</i> , 2008 , 37, 1118-26	58.5	376
106	Nanotechnology and cancer. <i>Annual Review of Medicine</i> , 2008 , 59, 251-65	17.4	295

105	Proton Conductivity of Acid-Functionalized Zeolite Beta, MCM-41, and MCM-48: Effect of Acid Strength. <i>Chemistry of Materials</i> , 2008 , 20, 5122-5124	9.6	62
104	Impact of tumor-specific targeting and dosing schedule on tumor growth inhibition after intravenous administration of siRNA-containing nanoparticles. <i>Biotechnology and Bioengineering</i> , 2008 , 99, 975-85	4.9	149
103	Physicochemical and biological characterization of targeted, nucleic acid-containing nanoparticles. <i>Bioconjugate Chemistry</i> , 2007 , 18, 456-68	6.3	242
102	Effect of siRNA nuclease stability on the in vitro and in vivo kinetics of siRNA-mediated gene silencing. <i>Biotechnology and Bioengineering</i> , 2007 , 97, 909-21	4.9	103
101	Potent siRNA inhibitors of ribonucleotide reductase subunit RRM2 reduce cell proliferation in vitro and in vivo. <i>Clinical Cancer Research</i> , 2007 , 13, 2207-15	12.9	142
100	Administration in non-human primates of escalating intravenous doses of targeted nanoparticles containing ribonucleotide reductase subunit M2 siRNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 5715-21	11.5	346
99	Impact of tumor-specific targeting on the biodistribution and efficacy of siRNA nanoparticles measured by multimodality in vivo imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 15549-54	11.5	702
98	Preclinical Results of the Camptothecin-Polymer Conjugate IT-101 in Multiple Human Lymphoma Xenografts.. <i>Blood</i> , 2007 , 110, 1376-1376	2.2	
97	Pharmacokinetics and biodistribution of the camptothecin-polymer conjugate IT-101 in rats and tumor-bearing mice. <i>Cancer Chemotherapy and Pharmacology</i> , 2006 , 57, 654-62	3.5	127
96	Insights into the kinetics of siRNA-mediated gene silencing from live-cell and live-animal bioluminescent imaging. <i>Nucleic Acids Research</i> , 2006 , 34, 322-33	20.1	603
95	Preclinical efficacy of the camptothecin-polymer conjugate IT-101 in multiple cancer models. <i>Clinical Cancer Research</i> , 2006 , 12, 1606-14	12.9	198
94	Proton-Conducting Solid Electrolyte via Ozonolysis of Cationic Ammonium Organoalkoxysilane Surfactant-Templated MCM-41. <i>Chemistry of Materials</i> , 2006 , 18, 5634-5636	9.6	16
93	A nanoparticle-based model delivery system to guide the rational design of gene delivery to the liver. 2. In vitro and in vivo uptake results. <i>Bioconjugate Chemistry</i> , 2005 , 16, 1071-80	6.3	61
92	Catalysis in Water as a Special Unit Operation: Section 4.7 2005 , 313-323		
91	Functional polarity is introduced by Dicer processing of short substrate RNAs. <i>Nucleic Acids Research</i> , 2005 , 33, 4140-56	20.1	260
90	Sequence-specific knockdown of EWS-FLI1 by targeted, nonviral delivery of small interfering RNA inhibits tumor growth in a murine model of metastatic Ewing's sarcoma. <i>Cancer Research</i> , 2005 , 65, 8984-92	10.1	495
89	Cyclodextrin-based pharmaceuticals: past, present and future. <i>Nature Reviews Drug Discovery</i> , 2004 , 3, 1023-35	64.1	1386
88	PEGylation significantly affects cellular uptake and intracellular trafficking of non-viral gene delivery particles. <i>European Journal of Cell Biology</i> , 2004 , 83, 97-111	6.1	582

87	SSZ-33: A Promising Material for Use as a Hydrocarbon Trap. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 13059-13061	3.4	52
86	Materials science. Distinguishing the (almost) indistinguishable. <i>Science</i> , 2003 , 300, 438-9	33.3	28
85	Reflections on Routes to Enantioselective Solid Catalysts. <i>Topics in Catalysis</i> , 2003 , 25, 3-7	2.3	71
84	Heteropolyacid-based catalysts for selective alkane oxidation: mechanism of formation of maleic anhydride from propane. <i>Catalysis Today</i> , 2003 , 81, 189-195	5.3	8
83	A new catalyst for the selective oxidation of butane and propane. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 858-60	16.4	35
82	Non-viral gene delivery systems. <i>Current Opinion in Biotechnology</i> , 2002 , 13, 128-31	11.4	365
81	On the synthesis of SSZ-48, SSZ-43 and their variations. <i>Microporous and Mesoporous Materials</i> , 2002 , 52, 19-28	5.3	8
80	Ordered porous materials for emerging applications. <i>Nature</i> , 2002 , 417, 813-21	50.4	4430
79	Organocations in zeolite synthesis: fused bicyclo [l.m.0] cations and the discovery of zeolite SSZ-48. <i>Journal of the American Chemical Society</i> , 2002 , 124, 7024-34	16.4	36
78	The Effects of Structure on Gene Delivery with Linear and Cyclodextrin-Containing Polycations. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002 , 44, 453-457		1
77	Thermodynamics of Pure-Silica Molecular Sieve Synthesis. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 3629-3638	3.4	80
76	The Effects of Charge Separation in Quaternary Ammonium, DABCO-Containing Polymers on In Vitro Toxicity and Gene Delivery. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 724, N10.2.1		3
75	Evolution of extra-large pore materials. <i>Studies in Surface Science and Catalysis</i> , 2001 , 135, 29-36	1.8	15
74	Synthesis of Hydrophobic Molecular Sieves by Hydrothermal Treatment with Acetic Acid. <i>Chemistry of Materials</i> , 2001 , 13, 1041-1050	9.6	43
73	Adsorption studies with gmelinite zeolites containing mono-, di- and tri-valent cations. <i>Microporous and Mesoporous Materials</i> , 2000 , 38, 143-149	5.3	11
72	Molecular imprinting of bulk, microporous silica. <i>Nature</i> , 2000 , 403, 286-9	50.4	449
71	Guest/Host Relationships in the Synthesis of the Novel Cage-Based Zeolites SSZ-35, SSZ-36, and SSZ-39. <i>Journal of the American Chemical Society</i> , 2000 , 122, 263-273	16.4	181
70	Thermochemistry of Pure-Silica Zeolites. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 10001-10011	3.4	175

69	Organic-functionalized molecular sieves (OFMSs):: II. Synthesis, characterization and the transformation of OFMSs containing non-polar functional groups into solid acids. <i>Microporous and Mesoporous Materials</i> , 1999 , 33, 223-240	5.3	81
68	Synthesis of CIT-6, a zirconosilicate with the *BEA topology. <i>Topics in Catalysis</i> , 1999 , 9, 35-42	2.3	46
67	Combinatorial methods: How will they integrate into chemical engineering?. <i>AIChE Journal</i> , 1999 , 45, 2270-2272	3.6	10
66	SSZ-35 und SSZ-44: zwei verwandte Zeolithe mit Poren aus Zehner- und Achtzehnringsen. <i>Angewandte Chemie</i> , 1999 , 111, 1349-1353	3.6	4
65	Imaging the Assembly Process of the Organic-Mediated Synthesis of a Zeolite. <i>Chemistry - A European Journal</i> , 1999 , 5, 2083-2088	4.8	163
64	SSZ-35 and SSZ-44: Two Related Zeolites Containing Pores Circumscribed by Ten- and Eighteen-Membered Rings. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 1269-1272	16.4	63
63	Investigations into the Mechanisms of Molecular Recognition with Imprinted Polymers. <i>Macromolecules</i> , 1999 , 32, 4113-4121	5.5	103
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