Thomas Maschmeyer

List of Publications by Year in Descending Order

301 papers	11,725 citations	56 h-index	94 g-index
333 ext. papers	12,665 ext. citations	6.3 avg, IF	6.37 L-index

#	Paper	IF	Citations
301	The Catalytic Nature of Chevrel Phases (MxMo6S8) in Review. *Materials Research Bulletin*, **2021**, 139, 111286	5.1	4
300	Role of metal support during ru-catalysed hydrodeoxygenation of biocrude oil. *Applied Catalysis B: Environmental*, **2021**, 281, 119470	21.8	16
299	Defect engineering of oxide perovskites for catalysis and energy storage: synthesis of chemistry and materials science. *Chemical Society Reviews*, **2021**, 50, 10116-10211	58.5	31
298	Critical review: hydrothermal synthesis of 1T-MoS2 an important route to a promising material. *Journal of Materials Chemistry A*, **2021**, 9, 9451-9461	13	10
297	Chevrel Phase Nanoparticles as Electrocatalysts for Hydrogen Evolution. *ACS Applied Nano Materials*, **2021**, 4, 2030-2036	5.6	4
296	3R-MoS2 in Review: History, Status, and Outlook. *ACS Applied Energy Materials*, **2021**, 4, 7405-7418	6.1	10
295	Impact of Surface Defects on LaNiO Perovskite Electrocatalysts for the Oxygen Evolution Reaction. *Chemistry - A European Journal*, **2021**, 27, 14418-14426	4.8	1
294	Upgrading of marine (fish and crustaceans) biowaste for high added-value molecules and bio(nano)-materials. *Chemical Society Reviews*, **2020**,	58.5	49
293	Interfacial Reactions between Lithium and Grain Boundaries from Anatase TiO-TUD-1 Electrodes in Lithium-Ion Batteries with Enhanced Capacity Retention. *ACS Omega*, **2020**, 5, 7584-7592	3.9	2
292	Exploring Opportunities for Platinum Nanoparticles Encapsulated in Porous Liquids as Hydrogenation Catalysts. *Chemistry - A European Journal*, **2020**, 26, 7059-7064	4.8	15
291	Interactions of Plasmonic Silver Nanoparticles with High Energy Sites on Multi-Faceted Rutile TiO2 Photoanodes. *ChemCatChem*, **2020**, 12, 400-400	5.2	
290	Hydrothermal Liquefaction of O-4 Aryl Ether Linkages in Lignin. *ChemSusChem*, **2020**, 13, 2002-2006	8.3	4
289	Understanding the link between solid/liquid interfaces and photoelectrochemical activity in novel thin-film photoanodes of preferentially oriented high-index rutile TiO2 facets A work inspired by Michel Che research on surface chemistry. *Journal of Catalysis*, **2020**, 392, 186-196	7.3	3
288	Immobilisation of Homogeneous Pd Catalysts within a Type I Porous Liquid. *Australian Journal of Chemistry*, **2020**, 73, 1296	1.2	3
287	Step by step extraction of bio-actives from the brown seaweeds, Carpophyllum flexuosum, Carpophyllum plumosum, Ecklonia radiata and Undaria pinnatifida. *Algal Research*, **2020**, 52, 102092	5	9
286	Nanoparticles for Undergraduates: Creation, Characterization, and Catalysis. *Journal of Chemical Education*, **2020**, 97, 4166-4172	2.4	4
285	Interactions of Plasmonic Silver Nanoparticles with High Energy Sites on Multi-Faceted Rutile TiO2 Photoanodes. *ChemCatChem*, **2020**, 12, 469-477	5.2	2

284	4-Nitrophenol Reduction: Probing the Putative Mechanism of the Model Reaction. *ACS Catalysis*, **2020**, 10, 5516-5521	13.1	62
283	The encapsulation of metal nanoparticles within porous liquids. *Chemical Communications*, **2019**, 55, 11179-11182	5.8	11
282	Toward an Understanding of the Forces Behind Extractive Desulfurization of Fuels with Ionic Liquids. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 4087-4093	8.3	19
281	Investigating homogeneous Co/Br/H2O2 catalysed oxidation of lignin model compounds in acetic acid. *Catalysis Science and Technology*, **2019**, 9, 384-397	5.5	4
280	The Influence of Pyridinium-Based Additives on Zinc Electrodeposition in Aqueous Solution. *Journal of the Electrochemical Society*, **2019**, 166, D192-D198	3.9	2
279	Salt-enhanced photocatalytic hydrogen production from water with carbon nitride nanorod photocatalysts: cation and pH dependence. *Journal of Materials Chemistry A*, **2019**, 7, 18987-18995	13	8
278	Single-Step Methylation of Chitosan Using Dimethyl Carbonate as a Green Methylating Agent. *Molecules*, **2019**, 24,	4.8	4
277	Role of Surface States in Photocatalytic Oxygen Evolution with CuWO4 Particles. *Journal of the Electrochemical Society*, **2019**, 166, H3014-H3019	3.9	14
276	Enhanced Photocatalytic Hydrogen Evolution with TiO2/TiN Nanoparticle Composites. *Journal of Physical Chemistry C*, **2019**, 123, 3740-3749	3.8	25
275	A comparison of photocatalytic reforming reactions of methanol and triethanolamine with Pd supported on titania and graphitic carbon nitride. *Applied Catalysis B: Environmental*, **2019**, 240, 373-379	21.8	50
274	Optimised heterojunctions between [100]-oriented rutile TiO2 arrays and {001} faceted anatase nanodomains for enhanced photoelectrochemical activity. *Sustainable Energy and Fuels*, **2018**, 2, 1463-1473	5.8	9
273	Effective Removal of Toxic Heavy Metal Ions from Aqueous Solution by CaCO3 Microparticles. *Water, Air, and Soil Pollution*, **2018**, 229, 1	2.6	15
272	Tuning the plasmonic response of TiN nanoparticles synthesised by the transferred arc plasma technique. *Nanoscale*, **2018**, 10, 7566-7574	7.7	21
271	Dynamic Nuclear Polarization NMR Spectroscopy of Polymeric Carbon Nitride Photocatalysts: Insights into Structural Defects and Reactivity. *Angewandte Chemie*, **2018**, 130, 6964-6968	3.6	16
270	Dynamic Nuclear Polarization NMR Spectroscopy of Polymeric Carbon Nitride Photocatalysts: Insights into Structural Defects and Reactivity. *Angewandte Chemie - International Edition*, **2018**, 57, 6848-6852	16.4	31
269	Reaction Analysis of Diaryl Ether Decomposition under Hydrothermal Conditions. *Industrial & Engineering Chemistry Research*, **2018**, 57, 2014-2022	3.9	4
268	Process systems for the carbonate interchange reactions of DMC and alcohols: efficient synthesis of catechol carbonate. *Catalysis Science and Technology*, **2018**, 8, 1971-1980	5.5	12
267	[Fe(C5Ar5)(CO)2Br] complexes as hydrogenase mimics for the catalytic hydrogen evolution reaction. *Applied Catalysis B: Environmental*, **2018**, 223, 234-241	21.8	23

266	Co-processing of lignocellulosic biocrude with petroleum gas oils. *Applied Catalysis A: General*, **2018**, 551, 139-145	5.1	16
265	Bromozincate ionic liquids in the Knoevenagel condensation reaction. *Applied Catalysis B: Environmental*, **2018**, 223, 228-233	21.8	23
264	Organosilica Nanotube Templates: One-Pot Synthesis of Carbon-Modified Polymeric Carbon Nitride Nanorods for Photocatalysis. *ChemCatChem*, **2018**, 10, 581-589	5.2	18
263	Shining Light on Carbon Nitrides: Leveraging Temperature To Understand Optical Gap Variations. *Chemistry of Materials*, **2018**, 30, 4253-4262	9.6	23
262	A comparative assessment of the activity and structure of phlorotannins from the brown seaweed Carpophyllum flexuosum. *Algal Research*, **2018**, 29, 130-141	5	29
261	Selective Catalytic Methylation of Phloroglucinol with Dimethyl Carbonate in the Presence of Heterogeneous Acids. *European Journal of Organic Chemistry*, **2018**, 2018, 6249-6255	3.2	
260	Two-Step Synthesis of Dialkyl Carbonates through Transcarbonation and Disproportionation Reactions Catalyzed by Calcined Hydrotalcites. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 9488-9497	8.3	4
259	The Autocatalytic Isomerization of Allylbenzene by Nickel(0) Tetrakis(triethylphosphite). *European Journal of Inorganic Chemistry*, **2018**, 2018, 3384-3387	2.3	2
258	A comparative assessment of microwave assisted (MAE) and conventional solid-liquid (SLE) techniques for the extraction of phloroglucinol from brown seaweed. *Algal Research*, **2017**, 23, 28-36	5	43
257	Multiphase hydrodechlorination of polychlorinated aromatics - Towards scale-up. *Chemosphere*, **2017**, 173, 535-541	8.4	4
256	Opportunities in upgrading biomass crudes. *Faraday Discussions*, **2017**, 197, 389-401	3.6	13
255	Continuous-Flow O-Alkylation of Biobased Derivatives with Dialkyl Carbonates in the Presence of Magnesium-Aluminium Hydrotalcites as Catalyst Precursors. *ChemSusChem*, **2017**, 10, 1571-1583	8.3	10
254	Production of High Quality Syncrude from Lignocellulosic Biomass. *ChemCatChem*, **2017**, 9, 1574-1578	5.2	9
253	Structural Investigation of Cobalt Oxide Clusters Derived from Molecular Cobalt Cubane, Trimer, and Dimer Oligomers in a Phosphate Electrolyte. *Journal of Physical Chemistry C*, **2017**, 121, 11021-11026	3.8	4
252	Polymeric carbon nitride for solar hydrogen production. *Chemical Communications*, **2017**, 53, 7438-7446	5.8	37
251	Unravelling Some of the Key Transformations in the Hydrothermal Liquefaction of Lignin. *ChemSusChem*, **2017**, 10, 2140-2144	8.3	16
250	The Study of Photocatalytic Oxidation of Benzyl Alcohol with g-C3N4 under Visible Light: Effect of pH and Salt. *Materials Science Forum*, **2017**, 890, 248-251	0.4	1
249	Renewable Aromatics from Kraft Lignin with Molybdenum-Based Catalysts. *ChemCatChem*, **2017**, 9, 2717-2726	5.2	19

248	Zinc Electrodeposition in the Presence of an Aqueous Electrolyte Containing 1-Ethylpyridinium Bromide: Unexpected Oddities. *Australian Journal of Chemistry*, **2017**, 70, 1025	1.2	1
247	A New Approach to Understand the Adsorption of Thiophene on Different Surfaces: An Atom Probe Investigation of Self-Assembled Monolayers. *Langmuir*, **2017**, 33, 9573-9581	4	9
246	Extractive Denitrogenation of Fuel Oils with Ionic Liquids: A Systematic Study. *Energy & Fuels*, **2017**, 31, 2183-2189	4.1	20
245	Masked N-Heterocyclic Carbene-Catalyzed Alkylation of Phenols with Organic Carbonates. *ChemSusChem*, **2016**, 9, 2312-6	8.3	13
244	Electrochemical investigation of [Co(□O)(□OAc)(py)] and peroxides by cyclic voltammetry. *Chemical Communications*, **2016**, 52, 14412-14415	5.8	7
243	Microwave-assisted methylation of dihydroxybenzene derivatives with dimethyl carbonate. *RSC Advances*, **2016**, 6, 58443-58451	3.7	12
242	Beyond the Halogen Bond: Examining the Limits of Extended Polybromide Networks through Quantum-Chemical Investigations. *Chemistry - an Asian Journal*, **2016**, 11, 682-6	4.5	8
241	Factors influencing the formation of polybromide monoanions in solutions of ionic liquid bromide salts. *Physical Chemistry Chemical Physics*, **2016**, 18, 7251-60	3.6	32
240	Delaminated MoS2 as a structural and functional modifier for MgH2 □Better hydrogen desorption kinetics through induced worm-like morphologies. *International Journal of Hydrogen Energy*, **2016**, 41, 3551-3560	6.7	5
239	A New Methodology for Assessing Macromolecular Click Reactions and Its Application to Amine--Tertiary Isocyanate Coupling for Polymer Ligation. *Journal of the American Chemical Society*, **2016**, 138, 4061-8	16.4	33
238	The influence of ionic liquid additives on zinc half-cell electrochemical performance in zinc/bromine flow batteries. *RSC Advances*, **2016**, 6, 27788-27797	3.7	37
237	A nano-engineered graphene/carbon nitride hybrid for photocatalytic hydrogen evolution. *Journal of Energy Chemistry*, **2016**, 25, 225-227	12	9
236	The influence of novel bromine sequestration agents on zinc/bromine flow battery performance. *RSC Advances*, **2016**, 6, 110548-110556	3.7	29
235	Continuous hydrothermal liquefaction of macroalgae in the presence of organic co-solvents. *Algal Research*, **2016**, 17, 185-195	5	41
234	From macroalgae to liquid fuel via waste-water remediation, hydrothermal upgrading, carbon dioxide hydrogenation and hydrotreating. *Energy and Environmental Science*, **2016**, 9, 1828-1840	35.4	49
233	Selective patterning of gold surfaces by core/shell, semisoft hybrid nanoparticles. *Small*, **2015**, 11, 482-811		6
232	Hydrogen from Formic Acid via Its Selective Disproportionation over Nanodomain-Modified Zeolites. *ACS Catalysis*, **2015**, 5, 4353-4362	13.1	14
231	Comparing the potential production and value of high-energy liquid fuels and protein from marine and freshwater macroalgae. *GCB Bioenergy*, **2015**, 7, 673-689	5.6	54

230	Photocatalytic Hydrogen Evolution from Silica-Templated Polymeric Graphitic Carbon Nitride: Is the Surface Area Important?. *ChemCatChem*, **2015**, 7, 121-126	5.2	45
229	Strained surface siloxanes as a source of synthetically important radicals. *RSC Advances*, **2015**, 5, 100618-100624	3.7	4
228	Changing the Action of Iron from Stoichiometric to Electrocatalytic in the Hydrogenation of Ketones in Aqueous Acidic Media. *ChemSusChem*, **2015**, 8, 3712-7	8.3	1
227	Molecular Cobalt Clusters as Precursors of Distinct Active Species in Electrochemical, Photochemical, and Photoelectrochemical Water Oxidation Reactions in Phosphate Electrolytes. *Chemistry - A European Journal*, **2015**, 21, 16578-84	4.8	14
226	Hydrogenated Defects in Graphitic Carbon Nitride Nanosheets for Improved Photocatalytic Hydrogen Evolution. *Journal of Physical Chemistry C*, **2015**, 119, 14938-14946	3.8	117
225	The formation of high-order polybromides in a room-temperature ionic liquid: from monoanions ([Br5](-) to [Br11](-)) to the isolation of [PC16 H36]2 [Br24] as determined by van der Waals Bonding Radii. *Chemistry - A European Journal*, **2015**, 21, 2961-5	4.8	42
224	Zinc bromide in aqueous solutions of ionic liquid bromide salts: the interplay between complexation and electrochemistry. *RSC Advances*, **2015**, 5, 83674-83681	3.7	15
223	Two-stage hydrothermal liquefaction of a high-protein microalga. *Algal Research*, **2015**, 8, 15-22	5	114
222	Biocrude yield and productivity from the hydrothermal liquefaction of marine and freshwater green macroalgae. *Bioresource Technology*, **2014**, 155, 334-41	11	172
221	Fullerene matrices in the MALDI-TOF mass spectroscopic characterisation of organometallic compounds. *Journal of Organometallic Chemistry*, **2014**, 751, 482-492	2.3	14
220	Controlling viscosity in methyl oleate derivatives through functional group design. *New Journal of Chemistry*, **2014**, 38, 5777-5785	3.6	4
219	Probing structure-functionality relationships of catalytic bimetallic PtRu nanoparticles associated with improved sulfur resistance. *RSC Advances*, **2014**, 4, 28062	3.7	4
218	Facile, high-yielding preparation of pyrrolidinium, piperidinium, morpholinium and 2,3-dihydro-1H-isoindolinium salts and ionic liquids from secondary amines. *RSC Advances*, **2014**, 4, 23327-23337	3.7	8
217	Pre- and post-harvest treatment of macroalgae to improve the quality of feedstock for hydrothermal liquefaction. *Algal Research*, **2014**, 6, 22-31	5	37
216	Revealing the distribution of the atoms within individual bimetallic catalyst nanoparticles. *Angewandte Chemie - International Edition*, **2014**, 53, 11190-3	16.4	32
215	Hydrogen from formic acid through its selective disproportionation over sodium germanate--a non-transition-metal catalysis system. *Angewandte Chemie - International Edition*, **2014**, 53, 11275-9	16.4	9
214	Titelbild: Revealing the Distribution of the Atoms within Individual Bimetallic Catalyst Nanoparticles (Angew. Chem. 42/2014). *Angewandte Chemie*, **2014**, 126, 11279-11279	3.6	
213	Solar hydrogen from an aqueous, noble-metal-free hybrid system in a continuous-flow sampling reaction system. *Chemistry - A European Journal*, **2014**, 20, 7345-50	4.8	15

212	Exploitation of the Degenerative Transfer Mechanism in RAFT Polymerization for Synthesis of Polymer of High Livingness at Full Monomer Conversion. *Macromolecules*, **2014**, 47, 639-649	5.5	123
211	Pushing the Limit of the RAFT Process: Multiblock Copolymers by One-Pot Rapid Multiple Chain Extensions at Full Monomer Conversion. *Macromolecules*, **2014**, 47, 3451-3460	5.5	179
210	CHR-insertion (R=H, CH3) into cyclohexyl-substituted silsesquioxanes: reactivity and decomposition studies. *Chemistry - A European Journal*, **2014**, 20, 15169-77	4.8	3
209	Revealing the Distribution of the Atoms within Individual Bimetallic Catalyst Nanoparticles. *Angewandte Chemie*, **2014**, 126, 11372-11375	3.6	9
208	Hydrogen from Formic Acid through Its Selective Disproportionation over Sodium Germanate—A Non-Transition-Metal Catalysis System. *Angewandte Chemie*, **2014**, 126, 11457-11461	3.6	2
207	Metal/bromide autoxidation of triglycerides for the preparation of FAMES to improve the cold-flow characteristics of biodiesel. *Catalysis Today*, **2014**, 233, 162-168	5.3	4
206	Ionic liquids are compatible with on-water catalysis. *Chemical Communications*, **2013**, 49, 8347-9	5.8	11
205	Structural features of ionic liquids: consequences for material preparation and organic reactivity. *Green Chemistry*, **2013**, 15, 2655	10	79
204	Monodisperse, Charge-Stabilized, Core–Shell Particles via Silica-Supported Reversible Addition–Fragmentation Chain Transfer Polymerization for Cell Imaging. *Chemistry of Materials*, **2013**, 25, 3522-3527	9.6	27
203	Cobalt(II) Carboxylate Chemistry and Catalytic Applications **2013**, 665-684		4
202	Cobalt(II) Carboxylate Chemistry and Molecular Magnetism **2013**, 191-228		5
201	Synthesis of silica-polymer core-shell nanoparticles by reversible addition-fragmentation chain transfer polymerization. *Chemical Communications*, **2013**, 49, 9077-88	5.8	74
200	Pilot plant testing of continuous hydrothermal liquefaction of microalgae. *Algal Research*, **2013**, 2, 268-277	3	199
199	Reactions of p-coumaryl alcohol model compounds with dimethyl carbonate. Towards the upgrading of lignin building blocks. *Green Chemistry*, **2013**, 15, 3195	10	40
198	Rapid and quantitative one-pot synthesis of sequence-controlled polymers by radical polymerization. *Nature Communications*, **2013**, 4, 2505	17.4	354
197	A flexible, bolaamphiphilic template for mesoporous silicas. *Physical Chemistry Chemical Physics*, **2013**, 15, 13343-53	3.6	1
196	1,3-Disubstituted imidazolium hydroxides: Dry salts or wet carbenes?. *Catalysis Today*, **2013**, 200, 9-16	5.3	32
195	Robust bimetallic Pt–Ru catalysts for the rapid hydrogenation of toluene and tetralin at ambient temperature and pressure. *Applied Catalysis A: General*, **2013**, 454, 46-52	5.1	13

194	Steric, hydrogen-bonding and structural heterogeneity effects on the nucleophilic substitution of N-(p-fluorophenyldiphenylmethyl)-4-picolinium chloride in ionic liquids. *Organic and Biomolecular Chemistry*, **2013**, 11, 2534-42	3.9	24
193	The chemistry of cobalt acetate. X. The preparations of the mixed ligand cobalt oligomers, [Co3O(C6H5N2O)3(CH3CO2)3][PF6].CH3CN (I), [Co4(2-OH)2(1:1:2-CH3COO)2(CH3CO2)2 (1:1:2-C11H8NO)2(1:1:1:1:2-C11H8N3O)2][PF6]2.CH3OH.3H2O (II) and [Co3O(CH3CO2)5(C7H6NO2)(py)3][PF6] (III) and the crystal structures of (I) and (II). Comparisons	2.7	3
192	Application of Bismuth-Impregnated Mesoporous Silica to the Photochemical Oxidation of Methylene Blue: An Example of Nanoparticle Autocatalysis. *ChemCatChem*, **2013**, 5, 959-965	5.2	5
191	Unprecedented blue-shift in bismuth oxide supported on mesoporous silica. *New Journal of Chemistry*, **2013**, 37, 593-600	3.6	9
190	Hollow micro/nanomaterials as nanoreactors for photocatalysis. *APL Materials*, **2013**, 1, 041101	5.7	20
189	The synthesis of well-defined poly(vinylbenzyl chloride)-grafted nanoparticles via RAFT polymerization. *Beilstein Journal of Organic Chemistry*, **2013**, 9, 1226-34	2.5	24
188	Novel bis(methylimidazolium)alkane bolaamphiphiles as templates for supermicroporous and mesoporous silicas. *Microporous and Mesoporous Materials*, **2012**, 148, 62-72	5.3	21
187	Tuning the photocatalytic activity of CdS nanocrystals through intermolecular interactions in ionic-liquid solvent systems. *Chemistry - A European Journal*, **2012**, 18, 2923-30	4.8	11
186	Pseudoverkapselung Nanodomänen für verstärkte Reaktivität in ionischen Flüssigkeiten. *Angewandte Chemie*, **2012**, 124, 11650-11654	3.6	1
185	Pseudo-encapsulation--nanodomains for enhanced reactivity in ionic liquids. *Angewandte Chemie - International Edition*, **2012**, 51, 11483-6	16.4	33
184	Continuous-flow alkene metathesis: the model reaction of 1-octene catalyzed by Re2O7/Al2O3 with supercritical CO2 as a carrier. *Green Chemistry*, **2012**, 14, 2727	10	11
183	Controlling hydrolysis reaction rates with binary ionic liquid mixtures by tuning hydrogen-bonding interactions. *Journal of Physical Chemistry B*, **2012**, 116, 1858-64	3.4	32
182	The role of the reactor wall in hydrothermal biomass conversions. *Chemistry - an Asian Journal*, **2012**, 7, 2638-43	4.5	6
181	Exploring the myth of nascent hydrogen and its implications for biomass conversions. *Chemistry - an Asian Journal*, **2012**, 7, 2629-37	4.5	3
180	The interplay of catechol ligands with nanoparticulate iron oxides. *Dalton Transactions*, **2012**, 41, 2545-59	4.3	87
179	Nanoencapsulation for Process Intensification **2012**, 137		
178	The Kinetic Features of the Palladium-Catalyzed Hydrogenolysis of Nitriles and Amines. *ChemCatChem*, **2012**, 4, 1179-1184	5.2	14
177	Ionic-liquid-mediated active-site control of MoS2 for the electrocatalytic hydrogen evolution reaction. *Chemistry - A European Journal*, **2012**, 18, 8230-9	4.8	61

176	One-pot RAFT/"click" chemistry via isocyanates: efficient synthesis of □end-functionalized polymers. *Journal of the American Chemical Society*, **2012**, 134, 12596-603	16.4	89
175	Silsesquioxanes as molecular analogues of single-site heterogeneous catalysts. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2012**, 468, 1968-1984	2.4	12
174	Surface-Initiated Reversible Addition□Fragmentation Chain Transfer (RAFT) Polymerization from Fine Particles Functionalized with Trithiocarbonates. *Macromolecules*, **2011**, 44, 8944-8953	5.5	123
173	'Pseudo-star' Copolymers Formed by a Combination of RAFT Polymerization and Isocyanate-Coupling. *Australian Journal of Chemistry*, **2011**, 64, 1047	1.2	9
172	The one-pot synthesis, characterisation and catalytic behaviour of mesoporous silica-sulfated zirconia solids. *Catalysis Today*, **2011**, 178, 187-196	5.3	9
171	Designing nanoscopic, fluxional bimetallic Pt□Ru alloy hydrogenation catalysts for improved sulfur tolerance. *Catalysis Today*, **2011**, 178, 164-171	5.3	16
170	A Palladium-Catalyzed Multicascade Reaction: Facile Low-Temperature Hydrogenolysis of Activated Nitriles and Related Functional Groups. *ChemCatChem*, **2011**, 3, 1496-1502	5.2	17
169	An ITQ-2/TUD-1 Micro-/Mesoporous Composite: In Situ Delamination as a Tool for the Preparation of Innovative Materials. *ChemCatChem*, **2011**, 3, 1759-1762	5.2	10
168	Promoting the Formation of Active Sites with Ionic Liquids: A Case Study of MoS2 as Hydrogen-Evolution-Reaction Electrocatalyst. *ChemCatChem*, **2011**, 3, 1739-1742	5.2	30
167	Ionic liquid-templated preparation of mesoporous silica embedded with nanocrystalline sulfated zirconia. *Nanoscale Research Letters*, **2011**, 6, 192	5	15
166	□lickable□polymers via a combination of RAFT polymerization and isocyanate chemistry. *Journal of Polymer Science Part A*, **2011**, 49, 2771-2782	2.5	26
165	Zeolites □From curiosity to cornerstone. *Microporous and Mesoporous Materials*, **2011**, 142, 423-438	5.3	102
164	Metallasilsesquioxanes: Molecular Analogues of Heterogeneous Catalysts. *Advances in Silicon Science*, **2011**, 135-166		33
163	Lichtinduzierte Herstellung von Wasserstoff in Wasser mit TiO2 und anderen Photokatalysatoren: Gibt es einen einfachen Weg hin zu einer Normierung der katalytischen Verfahren?. *Angewandte Chemie*, **2010**, 122, 1578-1582	3.6	20
162	Intrinsic Catalytic Activity versus Effective Light Usage□A Reply to Professor Kisch□s Comments. *Angewandte Chemie*, **2010**, 122, 9784-9785	3.6	20
161	Catalytic aspects of light-induced hydrogen generation in water with TiO2 and other photocatalysts: a simple and practical way towards a normalization?. *Angewandte Chemie - International Edition*, **2010**, 49, 1536-9	16.4	87
160	Intrinsic Catalytic Activity versus Effective Light Usage□A Reply to Professor Kisch□s Comments. *Angewandte Chemie - International Edition*, **2010**, 49, 9590-9591	16.4	25
159	Self-Metathesis of 1-Octene Using Alumina-Supported Re2O7 in Supercritical CO2. *Topics in Catalysis*, **2009**, 52, 315-321	2.3	7

158	Co-TUD-1 catalysed aerobic oxidation of cyclohexane. *Applied Catalysis A: General*, **2009**, 355, 78-82	5.1	57
157	The use of acidic task-specific ionic liquids in the formation of high surface area mesoporous silica. *New Journal of Chemistry*, **2009**, 33, 1997	3.6	15
156	A New Family of Mesoporous Oxides Synthesis, Characterisation and Applications of TUD-1 **2009**, 3-30		5
155	Tetra-ammonium diaqua-diperoxidoocta-molybdate(VI) tetra-hydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, i53-i54		5
154	Metal-TUD-1 Catalyzed Aerobic Oxidation of Cyclohexane: A Comparative Study. *Australian Journal of Chemistry*, **2009**, 62, 360	1.2	12
153	Enzyme-catalysed deprotection of N-acetyl and N-formyl amino acids. *Journal of Molecular Catalysis B: Enzymatic*, **2008**, 54, 67-71		18
152	On the Wavelength-Dependent Performance of Cr-Doped Silica in Selective Photo-Oxidation. *Journal of Physical Chemistry C*, **2008**, 112, 5471-5475	3.8	14
151	Accessing Decaphenylmetallocenes of Ytterbium, Calcium, and Barium by Desolvation of Solvent-Separated Ion Pairs: Overcoming Adverse Solubility Properties#. *Organometallics*, **2008**, 27, 4772-4778	3.8	60
150	Catalyst Compartmentalization in Dynamic Kinetic Resolutions. *Topics in Catalysis*, **2008**, 48, 153-157	2.3	12
149	Ce-TUD-1: Synthesis, Characterization, and Testing of a Versatile Heterogeneous Oxidation Catalyst. *Industrial & Engineering Chemistry Research*, **2007**, 46, 4221-4225	3.9	14
148	Partial oxidation of 4-tert-butyltoluene catalyzed by homogeneous cobalt and cerium acetate catalysts in the Br-/H2O2/acetic acid system: insights into selectivity and mechanism. *Chemistry - A European Journal*, **2007**, 13, 8037-44	4.8	11
147	Study on the isomerism in meso-amavadin and an amavadin analogue. *Journal of Inorganic Biochemistry*, **2007**, 101, 900-8	4.2	12
146	Optimisation methodologies and algorithms for research on catalysis employing high-throughput methods: comparison using the Selox benchmark. *Combinatorial Chemistry and High Throughput Screening*, **2007**, 10, 149-59	1.3	8
145	Liquid phase oxidation of cyclohexane over transition metal incorporated amorphous 3D-mesoporous silicates M-TUD-1 (M=Ti, Fe, Co and Cr). *Catalysis Today*, **2006**, 117, 279-283	5.3	45
144	Comparison of supports for the electrostatic immobilisation of asymmetric homogeneous catalysts. *Journal of Catalysis*, **2006**, 239, 212-219	7.3	35
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1	Transition Metal Single Site Catalysts From Homogeneous to Immobilized Systems167-237		1