Daniel E Resasco

List of Publications by Year in Descending Order

294 papers	20,562 citations	77 h-index	134 g-index
307 ext. papers	22,217 ext. citations	7.5 avg, IF	7.11 L-index

#	Paper	IF	Citations
294	Acylation of m-cresol with acetic acid supported by in-situ ester formation on H-ZSM-5 zeolites. *Journal of Catalysis*, **2022**, 406, 48-55	7.3	2
293	First-Formed Framework Species and Phosphate Structure Distributions in Phosphorus-Modified MFI Zeolites. *Journal of Physical Chemistry C*, **2022**, 126, 227-238	3.8	3
292	Can we predict whether water will inhibit or enhance a given catalytic reaction?. *Chem Catalysis*, **2021**, 1, 959-961		0
291	How do structure and topology of the catalyst affect water promotion or inhibition effects?. *Chem Catalysis*, **2021**, 1, 962-965		0
290	Reaction pathways for the HDO of guaiacol over supported Pd catalysts: Effect of support type in the deoxygenation of hydroxyl and methoxy groups. *Molecular Catalysis*, **2021**, 111491	3.3	3
289	Interaction of water with zeolites: a review. *Catalysis Reviews - Science and Engineering*, **2021**, 63, 302-362	12.6	4
288	A comparative study of thermal- and electrocatalytic conversion of furfural: methylfuran as a primary and major product. *Journal of Applied Electrochemistry*, **2021**, 51, 19-26	2.6	9
287	Targeted Single-Walled Carbon Nanotubes for Photothermal Therapy Combined with Immune Checkpoint Inhibition for the Treatment of Metastatic Breast Cancer. *Nanoscale Research Letters*, **2021**, 16, 9	5	15
286	Elucidating the Structure of Bimetallic NiW/SiO2 Catalysts and Its Consequences on Selective Deoxygenation of m-Cresol to Toluene. *ACS Catalysis*, **2021**, 11, 2935-2948	13.1	6
285	Optimizing the surface distribution of acid sites for cooperative catalysis in condensation reactions promoted by water. *Chem Catalysis*, **2021**, 1, 1065-1065		4
284	Hydrodeoxygenation of Lignin-Derived Compound Mixtures on Pd-Supported on Various Oxides. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 12870-12884	8.3	4
283	Experimental and computational kinetics study of the liquid-phase hydrogenation of CC and CO bonds. *Journal of Catalysis*, **2021**, 404, 771-771	7.3	2
282	Solvent effects on catalytic reactions and related phenomena at liquid-solid interfaces. *Surface Science Reports*, **2021**, 76, 100541	12.9	6
281	Role of the metal-support interface in the hydrodeoxygenation reaction of phenol. *Applied Catalysis B: Environmental*, **2020**, 277, 119238	21.8	18
280	Enhanced Fischer□ropsch Synthesis Rates by the Combined Presence of Aqueous and Organic Media in Biphasic Systems. *ACS Catalysis*, **2020**, 10, 4433-4443	13.1	12
279	Synthesis of □and □Unsaturated Acids and Hydroxy Acids by Tandem Oxidation, Epoxidation, and Hydrolysis/Hydrogenation of Bioethanol Derivatives. *Angewandte Chemie*, **2020**, 132, 7526-7530	3.6	1
278	Synthesis of □and □Unsaturated Acids and Hydroxy Acids by Tandem Oxidation, Epoxidation, and Hydrolysis/Hydrogenation of Bioethanol Derivatives. *Angewandte Chemie - International Edition* , **2020**, 59, 7456-7460	16.4	6

277	Activity and stability of mesoporous CeO2 and ZrO2 catalysts for the self-condensation of cyclopentanone. *Applied Catalysis B: Environmental*, **2020**, 267, 118373	21.8	13
276	Water-Mediated Heterogeneously Catalyzed Reactions. *ACS Catalysis*, **2020**, 10, 1294-1309	13.1	90
275	Chemistry of C?C Bond Formation Reactions Used in Biomass Upgrading: Reaction Mechanisms, Site Requirements, and Catalytic Materials **2020**, 207-297		
274	Relationship between Atomic Scale Structure and Reactivity of Pt Catalysts: Hydrodeoxygenation of m-Cresol over Isolated Pt Cations and Clusters. *ACS Catalysis*, **2020**, 10, 595-603	13.1	37
273	Factors Determining Selectivity of Acid- and Base-Catalyzed Self- and Cross-Condensation of Acetone and Cyclopentanone. *ACS Catalysis*, **2020**, 10, 12790-12800	13.1	6
272	Oxide-catalyzed self- and cross-condensation of cycloketones. Kinetically relevant steps that determine product distribution. *Journal of Catalysis*, **2020**, 391, 163-174	7.3	5
271	Reversible Hydrogenation□Dehydrogenation of Acetylpyridine-Pd-MIL-101(Cr) for Chemical Hydrogen Storage. *Industrial & Engineering Chemistry Research*, **2020**, 59, 17671-17679	3.9	1
270	Water Promotion (or Inhibition) of Condensation Reactions Depends on Exposed Cerium Oxide Catalyst Facets. *ACS Catalysis*, **2020**, 10, 5373-5382	13.1	15
269	CO cleavage of diphenyl ether followed by CC coupling reactions over hydrophobized Pd/HY catalysts. *Applied Catalysis B: Environmental*, **2019**, 259, 118081	21.8	7
268	Chemisorption and sensitivity at semiconductor sensors revisited. *Sensors and Actuators B: Chemical* , **2019**, 285, 232-239	8.5	9
267	The role of intermediate CoMnO (x = 0.6-0.85) nanocrystals in the formation of active species for the direct production of lower olefins from syngas. *Chemical Communications*, **2019**, 55, 6595-6598	5.8	18
266	High-Temperature Grafting Silylation for Minimizing Leaching of Acid Functionality from Hydrophobic Mesoporous Silicas Used as Catalysts in the Liquid Phase. *Langmuir*, **2019**, 35, 6838-6852	4	13
265	The role of defect sites and oxophilicity of the support on the phenol hydrodeoxygenation reaction. *Applied Catalysis B: Environmental*, **2019**, 249, 292-305	21.8	33
264	Clarifying the multiple roles of confinement in zeolites: From stabilization of transition states to modification of internal diffusion rates. *Journal of Catalysis*, **2019**, 372, 382-387	7.3	6
263	Solvent-mediated charge separation drives alternative hydrogenation path of furanics in liquid water. *Nature Catalysis*, **2019**, 2, 431-436	36.5	93
262	Role of water in cyclopentanone self-condensation reaction catalyzed by MCM-41 functionalized with sulfonic acid groups. *Journal of Catalysis*, **2019**, 377, 245-254	7.3	24
261	Enhancement of m-Cresol Hydrodeoxygenation Selectivity on Ni Catalysts by Surface Decoration of MoOx Species. *ACS Catalysis*, **2019**, 9, 7791-7800	13.1	49
260	Aldol Condensation of Cyclopentanone on Hydrophobized MgO. Promotional Role of Water and Changes in the Rate-Limiting Step upon Organosilane Functionalization. *ACS Catalysis*, **2019**, 9, 2831-2841	13.1	26

259	Hydrodeoxygenation of anisole over different Rh surfaces. *Chinese Journal of Catalysis*, **2019**, 40, 1721-1730	7.9	10
258	Synergistic bimetallic RuPt catalysts for the low-temperature aqueous phase reforming of ethanol. *AICHE Journal*, **2019**, 65, 151-160	3.6	13
257	Enhanced chemical activity and wettability at adjacent Brønsted acid sites in HZSM-5. *Catalysis Today*, **2018**, 312, 44-50	5.3	18
256	Hydrophobic zeolites for the upgrading of biomass-derived short oxygenated compounds in water/oil emulsions. *Applied Catalysis A: General*, **2018**, 559, 94-101	5.1	12
255	Systems-Level Analysis of Energy and Greenhouse Gas Emissions for Coproducing Biobased Fuels and Chemicals: Implications for Sustainability. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 5826-5834	8.3	7
254	Hydrodeoxygenation of m-cresol over bimetallic NiFe alloys: Kinetics and thermodynamics insight into reaction mechanism. *Journal of Catalysis*, **2018**, 359, 272-286	7.3	63
253	Temperature Programmed Oxidation Coupled with In Situ Techniques Reveal the Nature and Location of Coke Deposited on a Ni/La2O3-Al2O3 Catalyst in the Steam Reforming of Bio-oil. *ChemCatChem*, **2018**, 10, 2311-2321	5.2	24
252	Effect of Metal–Acid Balance on Hydroprocessed Renewable Jet Fuel Synthesis from Hydrocracking and Hydroisomerization of Biohydrogenated Diesel over Pt-Supported Catalysts. *Industrial & Engineering Chemistry Research*, **2018**, 57, 1429-1440	3.9	32
251	Hydrodeoxygenation of guaiacol over bimetallic Fe-alloyed (Ni, Pt) surfaces: reaction mechanism, transition-state scaling relations and descriptor for predicting C–O bond scission reactivity. *Catalysis Science and Technology*, **2018**, 8, 2146-2158	5.5	41
250	Controlling phenolic hydrodeoxygenation by tailoring metal–O bond strength via specific catalyst metal type and particle size selection. *Comptes Rendus Chimie*, **2018**, 21, 155-163	2.7	20
249	Improving stability of cyclopentanone aldol condensation MgO-based catalysts by surface hydrophobization with organosilanes. *Applied Catalysis B: Environmental*, **2018**, 237, 835-843	21.8	34
248	Catalytic upgrading of biomass pyrolysis vapors and model compounds using niobia supported Pd catalyst. *Applied Catalysis B: Environmental*, **2018**, 238, 38-50	21.8	44
247	Synergistic effect of oxygen vacancies and highly dispersed Pd nanoparticles over Pd-loaded TiO2 prepared by a single-step sol–gel process for deoxygenation of triglycerides. *Applied Catalysis A: General*, **2018**, 566, 74-86	5.1	26
246	Phosphatidylserine targeted single-walled carbon nanotubes for photothermal ablation of bladder cancer. *Nanotechnology*, **2018**, 29, 035101	3.4	31
245	A Systems-Level Roadmap for Biomass Thermal Fractionation and Catalytic Upgrading Strategies. *Energy Technology*, **2017**, 5, 130-150	3.5	19
244	Hydrodeoxygenation of Phenol over Pd Catalysts. Effect of Support on Reaction Mechanism and Catalyst Deactivation. *ACS Catalysis*, **2017**, 7, 2058-2073	13.1	123
243	Hydrodeoxygenation of Phenol over Zirconia-Supported Catalysts: The Effect of Metal Type on Reaction Mechanism and Catalyst Deactivation. *ChemCatChem*, **2017**, 9, 2850-2863	5.2	36
242	Mechanistic analysis of the role of metal oxophilicity in the hydrodeoxygenation of anisole. *Journal of Catalysis*, **2017**, 347, 102-115	7.3	82

241	Multistage torrefaction and in situ catalytic upgrading to hydrocarbon biofuels: analysis of life cycle energy use and greenhouse gas emissions. *Energy and Environmental Science*, **2017**, 10, 1034-1050	35.4	29
240	Structure, activity, and selectivity of bimetallic Pd-Fe/SiO2 and Pd-Fe/Al2O3 catalysts for the conversion of furfural. *Journal of Catalysis*, **2017**, 350, 30-40	7.3	86
239	Enhancing the Acylation Activity of Acetic Acid by Formation of an Intermediate Aromatic Ester. *ChemSusChem*, **2017**, 10, 2823-2832	8.3	18
238	Polymer-Stabilized Multi-Walled Carbon Nanotube Dispersions in High-Salinity Brines. *Energy & Fuels*, **2017**, 31, 5024-5030	4.1	22
237	Simultaneous Upgrading of Furanics and Phenolics through Hydroxyalkylation/Aldol Condensation Reactions. *ChemSusChem*, **2017**, 10, 1631-1639	8.3	26
236	Reaction Mechanism for the Conversion of Valerolactone (GVL) over a Ru Catalyst: A First-Principles Study. *Industrial & Engineering Chemistry Research*, **2017**, 56, 3217-3222	3.9	8
235	Encapsulation of multi-walled carbon nanotubes with copolymer to disperse in aqueous media. *Journal of Polymer Research*, **2017**, 24, 1	2.7	3
234	Role of oxygenates and effect of operating conditions in the deactivation of a Ni supported catalyst during the steam reforming of bio-oil. *Green Chemistry*, **2017**, 19, 4315-4333	10	65
233	Reaction mechanism of aqueous-phase conversion of valerolactone (GVL) over a Ru/C catalyst. *Journal of Energy Chemistry*, **2016**, 25, 1008-1014	12	10
232	Fine-Tuning the AcidBase Properties of Boron-Doped Magnesium Oxide Catalyst for the Selective Aldol Condensation. *ChemCatChem*, **2016**, 8, 3611-3620	5.2	7
231	The Effect of Metal Type on Hydrodeoxygenation of Phenol Over Silica Supported Catalysts. *Catalysis Letters*, **2016**, 146, 1848-1857	2.8	58
230	Zeolite-catalysed C bond forming reactions for biomass conversion to fuels and chemicals. *Catalysis Science and Technology*, **2016**, 6, 2543-2559	5.5	71
229	Synthesis of C4 and C8 Chemicals from Ethanol on MgO-Incorporated Faujasite Catalysts with Balanced Confinement Effects and Basicity. *ChemSusChem*, **2016**, 9, 736-48	8.3	22
228	Transport and deposition kinetics of polymer-coated multiwalled carbon nanotubes in packed beds. *AICHE Journal*, **2016**, 62, 3774-3783	3.6	5
227	C?C Coupling for Biomass-Derived Furanics Upgrading to Chemicals and Fuels **2016**, 431-494		5
226	Hydrophilic encapsulation of multi-walled carbon nanotubes using admicellar polymerization. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2015**, 474, 1-8	5.1	11
225	Carbon Nanotube/Zeolite Hybrid Catalysts for Glucose Conversion in Water/Oil Emulsions. *ACS Catalysis*, **2015**, 5, 4761-4771	13.1	26
224	Hydride transfer between a phenolic surface pool and reactant paraffins in the catalytic cracking of m-cresol/hexanes mixtures over an HY zeolite. *Journal of Catalysis*, **2015**, 329, 57-68	7.3	35

223	Factors that Determine Zeolite Stability in Hot Liquid Water. *Journal of the American Chemical Society*, **2015**, 137, 11810-9	16.4	115
222	Different Product Distributions and Mechanistic Aspects of the Hydrodeoxygenation of m-Cresol over Platinum and Ruthenium Catalysts. *ACS Catalysis*, **2015**, 5, 6271-6283	13.1	107
221	Effect of Zirconia Morphology on Hydrodeoxygenation of Phenol over Pd/ZrO2. *ACS Catalysis*, **2015** , 5, 7385-7398	13.1	109
220	Water Interactions in Zeolite Catalysts and Their Hydrophobically Modified Analogues. *ACS Catalysis*, **2015**, 5, 7480-7487	13.1	33
219	Decoupling HZSM-5 catalyst activity from deactivation during upgrading of pyrolysis oil vapors. *ChemSusChem*, **2015**, 8, 552-9	8.3	33
218	Improving the selectivity to C4 products in the aldol condensation of acetaldehyde in ethanol over faujasite zeolites. *Applied Catalysis A: General*, **2015**, 504, 119-129	5.1	20
217	Implementation of concepts derived from model compound studies in the separation and conversion of bio-oil to fuel. *Catalysis Today*, **2015**, 257, 185-199	5.3	69
216	Furfurals As Chemical Platform For Biofuels Production **2015**, 103-144		6
215	Propagation of Carbon Nanotube Hybrids through Porous Media for Advancing Oilfield Technology **2015**,		5
214	Tuning the acid□metal balance in Pd/ and Pt/zeolite catalysts for the hydroalkylation of m-cresol. *Journal of Catalysis*, **2015**, 328, 173-185	7.3	34
213	Reaction pathways in the liquid phase alkylation of biomass-derived phenolic compounds. *AICHE Journal*, **2015**, 61, 598-609	3.6	29
212	Role of Keto Intermediates in the Hydrodeoxygenation of Phenol over Pd on Oxophilic Supports. *ACS Catalysis*, **2015**, 5, 1318-1329	13.1	151
211	Silica Nanoparticle Wettability: Characterization and Effects on the Emulsion Properties. *Industrial & Engineering Chemistry Research*, **2015**, 54, 4274-4284	3.9	27
210	Reaction kinetics and mechanism of ketonization of aliphatic carboxylic acids with different carbon chain lengths over Ru/TiO2 catalyst. *Journal of Catalysis*, **2014**, 314, 149-158	7.3	64
209	Evaluating strategies for catalytic upgrading of pyrolysis oil in liquid phase. *Applied Catalysis B: Environmental*, **2014**, 145, 10-23	21.8	134
208	Zeolite Catalysis: Water Can Dramatically Increase or Suppress Alkane C□H Bond Activation. *ACS Catalysis*, **2014**, 4, 3039-3044	13.1	41
207	Gluconic acid from biomass fast pyrolysis oils: specialty chemicals from the thermochemical conversion of biomass. *ChemSusChem*, **2014**, 7, 3132-7	8.3	31
206	Role of a phenolic pool in the conversion of m-cresol to aromatics over HY and HZSM-5 zeolites. *Applied Catalysis A: General*, **2014**, 487, 62-71	5.1	63

205	Generation of synergistic sites by thermal treatment of HY zeolite. Evidence from the reaction of hexane isomers. *Journal of Catalysis*, **2014**, 317, 11-21	7.3	14
204	Kinetics and mechanism of m-cresol hydrodeoxygenation on a Pt/SiO2 catalyst. *Journal of Catalysis*, **2014**, 317, 22-29	7.3	128
203	Efficient Conversion of m-Cresol to Aromatics on a Bifunctional Pt/HBeta Catalyst. *Energy & Fuels*, **2014**, 28, 4104-4111	4.1	80
202	Enhanced Activity and Selectivity of Fischer□Tropsch Synthesis Catalysts in Water/Oil Emulsions. *ACS Catalysis*, **2014**, 4, 1944-1952	13.1	29
201	Selective conversion of m-cresol to toluene over bimetallic Ni□Fe catalysts. *Journal of Molecular Catalysis A*, **2014**, 388-389, 47-55		200
200	Carbon nanohybrids used as catalysts and emulsifiers for reactions in biphasic aqueous/organic systems. *Chinese Journal of Catalysis*, **2014**, 35, 798-806	11.3	20
199	Pseudosolid, shear-thinning gel formation in binary dispersions of metal oxide nanoparticles at low volume fractions. *Langmuir*, **2014**, 30, 14982-90	4	13
198	Role of Oxophilic Supports in the Selective Hydrodeoxygenation of m-Cresol on Pd Catalysts. *Catalysis Letters*, **2014**, 144, 2005-2011	2.8	74
197	Kinetics and Mechanism of Ketonization of Acetic Acid on Ru/TiO2 Catalyst. *Topics in Catalysis*, **2014**, 57, 706-714	2.3	57
196	Conversion of Guaiacol over Supported Ru Catalysts. *Catalysis Letters*, **2013**, 143, 783-791	2.8	92
195	Fischer□Tropsch Synthesis Catalyzed by Solid Nanoparticles at the Water/Oil Interface in an Emulsion System. *Energy & Fuels*, **2013**, 27, 6118-6124	4.1	17
194	Targeting single-walled carbon nanotubes for the treatment of breast cancer using photothermal therapy. *Nanotechnology*, **2013**, 24, 375104	3.4	44
193	Direct catalytic upgrading of biomass pyrolysis vapors by a dual function Ru/TiO2 catalyst. *AICHE Journal*, **2013**, 59, 2275-2285	3.6	61
192	Ketonization of Carboxylic Acids: Mechanisms, Catalysts, and Implications for Biomass Conversion. *ACS Catalysis*, **2013**, 3, 2456-2473	13.1	290
191	Silylated hydrophobic zeolites with enhanced tolerance to hot liquid water. *Journal of Catalysis*, **2013**, 308, 82-97	7.3	94
190	Dispersion Stability and Transport of Nanohybrids through Porous Media. *Transport in Porous Media* , **2013**, 96, 63-81	3.1	11
189	Steam reforming of light oxygenates. *Catalysis Science and Technology*, **2013**, 3, 3292	5.5	30
188	Modelling of experimental vanillin hydrodeoxygenation reactions in water/oil emulsions. Effects of mass transport. *Catalysis Today*, **2013**, 210, 89-97	5.3	25

187	Single-walled carbon nanotubes do not pierce aqueous phospholipid bilayers at low salt concentration. *Journal of Physical Chemistry B*, **2013**, 117, 6749-58	3.4	8
186	Propagation of Interfacially Active Carbon Nanohybrids in Porous Media. *Energy & Fuels*, **2013**, 27, 6518-6527	4.1	19
185	Role of water on the surface-guided growth of horizontally aligned single-walled carbon nanotubes on quartz. *Chemical Physics Letters*, **2012**, 525-526, 82-86	2.5	5
184	Hydrodeoxygenation of m-cresol over gallium-modified beta zeolite catalysts. *Journal of Catalysis*, **2012**, 290, 90-100	7.3	104
183	Antitumor immunologically modified carbon nanotubes for photothermal therapy. *Biomaterials*, **2012**, 33, 3235-42	15.6	150
182	Carbon nanomaterial commercialization: Lessons for graphene from carbon nanotubes. *MRS Bulletin*, **2012**, 37, 1297-1306	3.2	15
181	Improving carbon retention in biomass conversion by alkylation of phenolics with small oxygenates. *Applied Catalysis A: General*, **2012**, 447-448, 14-21	5.1	37
180	Aqueous-phase ketonization of acetic acid over Ru/TiO2/carbon catalysts. *Journal of Catalysis*, **2012** , 295, 169-178	7.3	108
179	Amphiphilic Nanohybrid Catalysts for Reactions at the Water/Oil Interface in Subsurface Reservoirs. *Energy & Fuels*, **2012**, 26, 2231-2241	4.1	73
178	Unraveling the 13C NMR chemical shifts in single-walled carbon nanotubes: dependence on diameter and electronic structure. *Journal of the American Chemical Society*, **2012**, 134, 4850-6	16.4	15
177	Confirmation of K-momentum dark exciton vibronic sidebands using 13C-labeled, highly enriched (6,5) single-walled carbon nanotubes. *Nano Letters*, **2012**, 12, 1398-403	11.5	40
176	Hydrophobic zeolites for biofuel upgrading reactions at the liquid-liquid interface in water/oil emulsions. *Journal of the American Chemical Society*, **2012**, 134, 8570-8	16.4	248
175	Condensation/Hydrogenation of Biomass-Derived Oxygenates in Water/Oil Emulsions Stabilized by Nanohybrid Catalysts. *Topics in Catalysis*, **2012**, 55, 38-52	2.3	95
174	Influence of nanotube characteristics on electrical and thermal properties of MWCNT/polyamide 6,6 composites prepared by melt mixing. *Carbon*, **2012**, 50, 3694-3707	10.4	27
173	Stabilization of Interfacially-Active-Nanohybrids/Polymer Suspensions and Transport through Porous Media **2012**,		9
172	Amphiphilic silica nanoparticles at the decane-water interface: insights from atomistic simulations. *Langmuir*, **2011**, 27, 5264-74	4	99
171	Kinetics and mechanism of hydrogenation of furfural on Cu/SiO2 catalysts. *Journal of Catalysis*, **2011**, 277, 1-13	7.3	393
170	Conversion of furfural and 2-methylpentanal on Pd/SiO2 and Pd□u/SiO2 catalysts. *Journal of Catalysis*, **2011**, 280, 17-27	7.3	282

169	Bifunctional transalkylation and hydrodeoxygenation of anisole over a Pt/HBeta catalyst. *Journal of Catalysis*, **2011**, 281, 21-29	7.3	396
168	Selective conversion of furfural to methylfuran over silica-supported NiFe bimetallic catalysts. *Journal of Catalysis*, **2011**, 284, 90-101	7.3	389
167	Study of the growth of conductive single-wall carbon nanotube films with ultra-high transparency. *Chemical Physics Letters*, **2011**, 511, 356-362	2.5	5
166	Effect of extra-framework cesium on the deoxygenation of methylester over CsNaX zeolites. *Applied Catalysis A: General*, **2011**, 409-410, 74-81	5.1	19
165	Hydrodeoxygenation of Furfural Over Supported Metal Catalysts: A Comparative Study of Cu, Pd and Ni. *Catalysis Letters*, **2011**, 141, 784-791	2.8	442
164	Nanostructured carbon-metal oxide hybrids as amphiphilic emulsion catalysts. *ChemSusChem*, **2011**, 4, 964-74	8.3	44
163	Anisole and Guaiacol Hydrodeoxygenation over Monolithic Pt–Sn Catalysts. *Energy & Fuels*, **2011**, 25, 4155-4162	4.1	169
162	CO Adsorption on Noble Metal Clusters: Local Environment Effects. *Journal of Physical Chemistry C*, **2011**, 115, 5637-5647	3.8	37
161	What Should We Demand from the Catalysts Responsible for Upgrading Biomass Pyrolysis Oil?. *Journal of Physical Chemistry Letters*, **2011**, 2, 2294-2295	6.4	51
160	Direct conversion of triglycerides to olefins and paraffins over noble metal supported catalysts. *Fuel*, **2011**, 90, 1155-1165	7.1	73
159	Catalytic conversion of anisole over HY and HZSM-5 zeolites in the presence of different hydrocarbon mixtures. *Applied Catalysis B: Environmental*, **2011**,	21.8	11
158	Vascular targeted single-walled carbon nanotubes for near-infrared light therapy of cancer. *Nanotechnology*, **2011**, 22, 455101	3.4	15
157	Novel Solid Nanohybrids that Stabilize Oil/Water Emulsions and Catalyze Reactions at the Interface. *Materials Research Society Symposia Proceedings*, **2010**, 1257, 1		
156	Solid nanoparticles that catalyze biofuel upgrade reactions at the water/oil interface. *Science*, **2010**, 327, 68-72	33.3	631
155	Carbon nanotube integration with a CMOS process. *Sensors*, **2010**, 10, 3857-67	3.8	3
154	Conversion of Glycerol to Alkyl-aromatics over Zeolites. *Energy & Fuels*, **2010**, 24, 3804-3809	4.1	97
153	Determination of the metallic/semiconducting ratio in bulk single-wall carbon nanotube samples by cobalt porphyrin probe electron paramagnetic resonance spectroscopy. *ACS Nano*, **2010**, 4, 6717-24	16.7	18
152	Interfacially Active SWNT/Silica Nanohybrid Used In Enhanced Oil Recovery **2010**,		19

151	Effects of HZSM-5 crystallite size on stability and alkyl-aromatics product distribution from conversion of propanal. *Catalysis Communications*, **2010**, 11, 977-981	3.2	57
150	Non-covalent attachment of proteins to single-walled carbon nanotubes. *Methods in Molecular Biology*, **2010**, 625, 3-8	1.4	
149	Stabilization of aqueous carbon nanotube dispersions using surfactants: insights from molecular dynamics simulations. *ACS Nano*, **2010**, 4, 7193-204	16.7	84
148	Anchoring Pd nanoclusters onto pristine and functionalized single-wall carbon nanotubes: A combined DFT and experimental study. *Chemical Physics Letters*, **2010**, 497, 103-107	2.5	29
147	Conversion of 1- and 2-Tetralone Over HY Zeolite. *Catalysis Letters*, **2010**, 135, 226-232	2.8	2
146	A comparison of the reactivities of propanal and propylene on HZSM-5. *Journal of Catalysis*, **2010**, 271, 201-208	7.3	73
145	Tailoring the mesopore structure of HZSM-5 to control product distribution in the conversion of propanal. *Journal of Catalysis*, **2010**, 271, 88-98	7.3	114
144	Phase-Selective Catalysis in Emulsions Stabilized by Janus Silica-Nanoparticles. *Advanced Synthesis and Catalysis*, **2010**, 352, 2359-2364	5.6	154
143	Role of transalkylation reactions in the conversion of anisole over HZSM-5. *Applied Catalysis A: General*, **2010**, 379, 172-181	5.1	102
142	Conversion of 1-tetralone over HY zeolite: An indicator of the extent of hydrogen transfer. *Applied Catalysis A: General*, **2010**, 389, 140-146	5.1	10
141	Etherification of aldehydes, alcohols and their mixtures on Pd/SiO2 catalysts. *Applied Catalysis A: General*, **2010**, 379, 135-140	5.1	16
140	Condensation reactions of propanal over CexZr1−xO2 mixed oxide catalysts. *Applied Catalysis A: General*, **2010**, 385, 80-91	5.1	80
139	Raman intensity measurements of single-walled carbon nanotube suspensions as a quantitative technique to assess purity. *Carbon*, **2010**, 48, 2873-2881	10.4	40
138	Cancer photothermal therapy in the near-infrared region by using single-walled carbon nanotubes. *Journal of Biomedical Optics*, **2009**, 14, 021009	3.5	231
137	Hydrogenation and Hydrodeoxygenation of 2-methyl-2-pentenal on supported metal catalysts. *Journal of Catalysis*, **2009**, 266, 9-14	7.3	45
136	Catalytic deoxygenation of benzaldehyde over gallium-modified ZSM-5 zeolite. *Journal of Catalysis*, **2009**, 268, 68-78	7.3	73
135	Molecular engineering approach in the selection of catalytic strategies for upgrading of biofuels. *AICHE Journal*, **2009**, 55, 1082-1089	3.6	43
134	Conversion of Methylesters to Hydrocarbons Over Zn-Modified H-ZSM-5 Zeolite Catalyst. *Catalysis Letters*, **2009**, 132, 197-204	2.8	19

133	Catalytic Deoxygenation of Methyl-Octanoate and Methyl-Stearate on Pt/Al2O3. *Catalysis Letters*, **2009**, 130, 9-18	2.8	144
132	Deoxygenation of benzaldehyde over CsNaX zeolites. *Journal of Molecular Catalysis A*, **2009**, 312, 78-86		45
131	Conversion of methylesters to hydrocarbons over an H-ZSM5 zeolite catalyst. *Applied Catalysis A: General*, **2009**, 361, 99-105	5.1	50
130	Emulsions stabilized by carbon nanotube-silica nanohybrids. *Langmuir*, **2009**, 25, 10843-51	4	130
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