

Mercedes Alvaro

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

233
papers

12,485
citations

58
h-index

103
g-index

250
ext. papers

13,382
ext. citations

7.7
avg, IF

6.64
L-index

#	Paper	IF	Citations
233	Photoactive Zr and Ti Metal-Organic-Frameworks for Solid-State Solar Cells. <i>ChemPhysChem</i> , 2021 , 22, 842-848	3.2	
232	Enone Borylation by Bis(Pinacolato)Diboron Catalyzed by Cu(BTC) Using Cesium Carbonate as a Base. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
231	Bifunctional metal-organic frameworks for the hydrogenation of nitrophenol using methanol as the hydrogen source. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 794-800	3.9	2
230	Bimetallic iron-copper oxide nanoparticles supported on nanometric diamond as efficient and stable sunlight-assisted Fenton photocatalyst. <i>Chemical Engineering Journal</i> , 2020 , 393, 124770	14.7	16
229	Impact of chlorination and pre-ozonation on disinfection by-products formation from aqueous suspensions of cyanobacteria: <i>Microcystis aeruginosa</i> , <i>Anabaena aequalis</i> and <i>Oscillatoria tenuis</i> . <i>Water Research</i> , 2020 , 183, 116070	12.5	4
228	Diamond Nanoparticles in Heterogeneous Catalysis. <i>Chemistry of Materials</i> , 2020 , 32, 4116-4143	9.6	15
227	MIL-101(Cr)-NO ₂ as efficient catalyst for the aerobic oxidation of thiophenols and the oxidative desulfurization of dibenzothiophenes. <i>Applied Catalysis A: General</i> , 2020 , 590, 117340	5.1	13
226	Nitro functionalized chromium terephthalate metal-organic framework as multifunctional solid acid for the synthesis of benzimidazoles. <i>Journal of Colloid and Interface Science</i> , 2020 , 560, 885-893	9.3	10
225	Tuning the active sites in reduced graphene oxide by hydroquinone functionalization for the aerobic oxidations of thiophenol and indane. <i>Molecular Catalysis</i> , 2020 , 493, 111093	3.3	1
224	Enhancing visible-light photocatalytic activity for overall water splitting in UiO-66 by controlling metal node composition. <i>Applied Catalysis B: Environmental</i> , 2020 , 278, 119345	21.8	55
223	Design of stable mixed-metal MIL-101(Cr/Fe) materials with enhanced catalytic activity for the Prins reaction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 17002-17011	13	9
222	Encapsulation of Metal Nanoparticles within Metal-Organic Frameworks for the Reduction of Nitro Compounds. <i>Molecules</i> , 2019 , 24,	4.8	10
221	Engineering Active Sites in Reduced Graphene Oxide: Tuning the Catalytic Activity for Aerobic Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15948-15956	8.3	7
220	Catalytic Ozonation Using Edge-Hydroxylated Graphite-Based Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17443-17452	8.3	9
219	Influence of co-catalysts on the photocatalytic activity of MIL-125(Ti)-NH ₂ in the overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2019 , 254, 677-684	21.8	43
218	Tuning the Microenvironment of Gold Nanoparticles Encapsulated within MIL-101(Cr) for the Selective Oxidation of Alcohols with O ₂ : Influence of the Amino Terephthalate Linker. <i>Chemistry - A European Journal</i> , 2019 , 25, 9280-9286	4.8	12
217	Influence of Carbon Supports on Palladium Nanoparticle Activity toward Hydrodeoxygenation and Aerobic Oxidation in Biomass Transformations. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 1979-1987	2.3	9

216	Engineering of activated carbon surface to enhance the catalytic activity of supported cobalt oxide nanoparticles in peroxymonosulfate activation. <i>Applied Catalysis B: Environmental</i> , 2019 , 249, 42-53	21.8	57
215	Exploring the catalytic performance of a series of bimetallic MIL-100(Fe, Ni) MOFs. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20285-20292	13	37
214	General aspects in the use of graphenes in catalysis. <i>Materials Horizons</i> , 2018 , 5, 363-378	14.4	33
213	Iron oxide nanoparticles supported on diamond nanoparticles as efficient and stable catalyst for the visible light assisted Fenton reaction. <i>Applied Catalysis B: Environmental</i> , 2018 , 226, 242-251	21.8	34
212	Reduction of C=C Double Bonds by Hydrazine Using Active Carbons as Metal-Free Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5607-5614	8.3	18
211	N-Hydroxyphthalimide Anchored on Diamond Nanoparticles as a Selective Heterogeneous Metal-free Oxidation Catalyst of Benzylic Hydrocarbons and Cyclic Alkenes by Molecular O ₂ . <i>ChemCatChem</i> , 2018 , 10, 198-205	5.2	20
210	Metal organic frameworks as catalysts in solvent-free or ionic liquid assisted conditions. <i>Green Chemistry</i> , 2018 , 20, 86-107	10	82
209	Cu(II)-Schiff base covalently anchored to MIL-125(Ti)-NH as heterogeneous catalyst for oxidation reactions. <i>Journal of Colloid and Interface Science</i> , 2018 , 532, 700-710	9.3	31
208	Generating and optimizing the catalytic activity in UiO-66 for aerobic oxidation of alkenes by post-synthetic exchange Ti atoms combined with ligand substitution. <i>Journal of Catalysis</i> , 2018 , 365, 450-463	7.3	18
207	Ruthenium(II) Tris(2,2'-bipyridyl) Complex Incorporated in UiO-67 as Photoredox Catalyst. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 29190-29199	3.8	18
206	Carbocatalysis: Analyzing the Sources of Organic Transformations 2018 , 285-311		
205	Influence of the organic linker substituent on the catalytic activity of MIL-101(Cr) for the oxidative coupling of benzylamines to imines. <i>Catalysis Science and Technology</i> , 2017 , 7, 1351-1362	5.5	23
204	Influence of Terephthalic Acid Substituents on the Catalytic Activity of MIL-101(Cr) in Three Lewis Acid Catalyzed Reactions. <i>ChemCatChem</i> , 2017 , 9, 2506-2511	5.2	34
203	Gas-Phase Photochemical Overall H ₂ S Splitting by UV Light Irradiation. <i>ChemSusChem</i> , 2017 , 10, 1996-2000		6
202	Room temperature silylation of alcohols catalyzed by metal organic frameworks. <i>Catalysis Science and Technology</i> , 2017 , 7, 2445-2449	5.5	9
201	Covalently Modified Graphenes in Catalysis, Electrocatalysis and Photoresponsive Materials. <i>Chemistry - A European Journal</i> , 2017 , 23, 15244-15275	4.8	31
200	Active sites on graphene-based materials as metal-free catalysts. <i>Chemical Society Reviews</i> , 2017 , 46, 4501-4529	58.5	205
199	Ti as Mediator in the Photoinduced Electron Transfer of Mixed-Metal NH ₂ UiO-66(Zr/Ti): Transient Absorption Spectroscopy Study and Application in Photovoltaic Cell. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 7015-7024	3.8	78

198	HKUST-1 catalyzed room temperature hydrogenation of acetophenone by silanes. <i>Catalysis Communications</i> , 2017 , 97, 74-78	3.2	10
197	Frontispiece: Covalently Modified Graphenes in Catalysis, Electrocatalysis and Photoresponsive Materials. <i>Chemistry - A European Journal</i> , 2017 , 23,	4.8	1
196	MIL-101 promotes the efficient aerobic oxidative desulfurization of dibenzothiophenes. <i>Green Chemistry</i> , 2016 , 18, 508-515	10	106
195	Reduced Graphene Oxide as a Metal-Free Catalyst for the Light-Assisted Fenton-Like Reaction. <i>ChemCatChem</i> , 2016 , 8, 2642-2648	5.2	35
194	Influence of functionalization of terephthalate linker on the catalytic activity of UiO-66 for epoxide ring opening. <i>Journal of Molecular Catalysis A</i> , 2016 , 425, 332-339		42
193	Copper nanoparticles supported on diamond nanoparticles as a cost-effective and efficient catalyst for natural sunlight assisted Fenton reaction. <i>Catalysis Science and Technology</i> , 2016 , 6, 7077-7085	5.5	18
192	A novel copper(II)lanthanum(III) metal organic framework as a selective catalyst for the aerobic oxidation of benzylic hydrocarbons and cycloalkenes. <i>Catalysis Science and Technology</i> , 2016 , 6, 3727-3736	5.5	34
191	Metal nanoparticles supported on two-dimensional graphenes as heterogeneous catalysts. <i>Coordination Chemistry Reviews</i> , 2016 , 312, 99-148	23.2	222
190	Nickel nanoparticles supported on graphene as catalysts for aldehyde hydrosilylation. <i>Journal of Molecular Catalysis A</i> , 2016 , 412, 13-19		24
189	Photoinduced Charge Separation on the Microsecond Timescale in Graphene Oxide and Reduced Graphene Oxide Suspensions. <i>ChemPhysChem</i> , 2016 , 17, 958-62	3.2	8
188	Electroluminescence response promoted by dispersion and interaction of perylene-3,4,9,10-tetracarboxylic dianhydride inside MOF5. <i>RSC Advances</i> , 2016 , 6, 35191-35196	3.7	8
187	Dyes decolorization using silver nanoparticles supported on nanometric diamond as highly efficient photocatalyst under natural Sunlight irradiation. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 4485-4493	6.8	10
186	Boron Nitride Nanoplatelets as a Solid Radical Initiator for the Aerobic Oxidation of Thiophenol to Diphenyldisulfide. <i>ChemCatChem</i> , 2015 , 7, 776-780	5.2	12
185	Transient absorption spectroscopy and photochemical reactivity of CAU-8. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 3607-3613	7.1	8
184	Perylenetetracarboxylic anhydride as a precursor of fluorescent carbon nanoion rings. <i>Nanoscale</i> , 2015 , 7, 12484-91	7.7	4
183	MIL-101 as Reusable Solid Catalyst for Autoxidation of Benzylic Hydrocarbons in the Absence of Additional Oxidizing Reagents. <i>ACS Catalysis</i> , 2015 , 5, 3216-3224	13.1	86
182	Deactivation of Cu ₃ (BTC) ₂ in the Synthesis of 2-Phenylquinoxaline. <i>Catalysis Letters</i> , 2015 , 145, 1600-1605		18
181	High catalytic activity of oriented 2.0.0 copper(I) oxide grown on graphene film. <i>Nature Communications</i> , 2015 , 6, 8561	17.4	53

180	Graphenes as Metal-free Catalysts for the Oxidative Depolymerization of Lignin Models. <i>ChemCatChem</i> , 2015 , 7, 3020-3026	5.2	21
179	Highly fluorescent C-dots obtained by pyrolysis of quaternary ammonium ions trapped in all-silica ITQ-29 zeolite. <i>Nanoscale</i> , 2015 , 7, 1744-52	7.7	34
178	Visible-light photoresponse of gold nanoparticles supported on TiO ₂ : a combined photocatalytic, photoelectrochemical, and transient spectroscopy study. <i>ChemPhysChem</i> , 2015 , 16, 335-41	3.2	16
177	Graphenes as Efficient Metal-Free Fenton Catalysts. <i>Chemistry - A European Journal</i> , 2015 , 21, 11966-71	4.8	73
176	Doped Framework Iron Hydroxyl Phosphate as Photocatalyst for Hydrogen Production from Water/Methanol Mixtures. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 4237-4243	2.3	3
175	Influence of Dopant Loading on the Photo- and Electrochemical Properties of (N, O)-Co-doped Graphene. <i>ChemPhysChem</i> , 2015 , 16, 2094-8	3.2	5
174	Silver Nanoparticles Supported on Diamond Nanoparticles as a Highly Efficient Photocatalyst for the Fenton Reaction under Natural Sunlight Irradiation. <i>ChemCatChem</i> , 2015 , 7, 2682-2688	5.2	18
173	Palladium nanoparticles supported on graphene as catalysts for the dehydrogenative coupling of hydrosilanes and amines. <i>Catalysis Science and Technology</i> , 2015 , 5, 2167-2173	5.5	23
172	Carbocatalysis by graphene-based materials. <i>Chemical Reviews</i> , 2014 , 114, 6179-212	68.1	512
171	Microsecond Transient Absorption Spectra of Suspended Semiconducting Metal Oxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 9275-9282	3.8	17
170	Photochemistry of covalently functionalized graphene oxide with phenothiazinyl units. <i>Carbon</i> , 2014 , 74, 113-119	10.4	10
169	Copper Nanoparticles Supported on Doped Graphenes as Catalyst for the Dehydrogenative Coupling of Silanes and Alcohols. <i>Angewandte Chemie</i> , 2014 , 126, 12789-12794	3.6	11
168	Copper nanoparticles supported on doped graphenes as catalyst for the dehydrogenative coupling of silanes and alcohols. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12581-6	16.4	17
167	Photophysical evidence of charge-transfer-complex pairs in mixed-linker 5-amino/5-nitroisophthalate CAU-10. <i>ChemPhysChem</i> , 2014 , 15, 924-8	3.2	9
166	Doped graphene as a metal-free carbocatalyst for the selective aerobic oxidation of benzylic hydrocarbons, cyclooctane and styrene. <i>Chemistry - A European Journal</i> , 2013 , 19, 7547-54	4.8	121
165	Polymer- and Ionic Liquid-Containing Palladium: Recoverable Soluble Cross-Coupling Catalysts. <i>ChemCatChem</i> , 2013 , 5, 3460-3480	5.2	33
164	Influence of pretreatments on commercial diamond nanoparticles on the photocatalytic activity of supported gold nanoparticles under natural Sunlight irradiation. <i>Applied Catalysis B: Environmental</i> , 2013 , 142-143, 259-267	21.8	23
163	Tunability by alkali metal cations of photoinduced charge separation in azacrown functionalized graphene. <i>Chemical Communications</i> , 2013 , 49, 3236-8	5.8	23

162	Alginate as Template in the Preparation of Active Titania Photocatalysts. <i>ChemCatChem</i> , 2013 , 5, 513-518	5.2	23
161	Aerobic Oxidation of Thiols Catalyzed by Copper Nanoparticles Supported on Diamond Nanoparticles. <i>ChemCatChem</i> , 2013 , 5, 241-246	5.2	42
160	Host-guest complexes between cucurbit[n]urils and acetanilides having aminopropyl units. <i>Journal of Colloid and Interface Science</i> , 2013 , 399, 54-61	9.3	4
159	Photocatalytic CO(2) reduction using non-titanium metal oxides and sulfides. <i>ChemSusChem</i> , 2013 , 6, 562-77	8.3	251
158	Reduction of alkenes catalyzed by copper nanoparticles supported on diamond nanoparticles. <i>Chemical Communications</i> , 2013 , 49, 2359-61	5.8	47
157	Superior Performance of Fe(BTC) With Respect to Other Metal-Containing Solids in the N-Hydroxyphthalimide-Promoted Heterogeneous Aerobic Oxidation of Cycloalkanes. <i>ChemCatChem</i> , 2013 , 5, 1964-1970	5.2	16
156	Formation and properties of a hybrid organosilica with a p-phenylene vinylene polymer partially grafted to the walls. <i>ChemPhysChem</i> , 2013 , 14, 618-26	3.2	2
155	Catalytic activity of unsupported gold nanoparticles. <i>Catalysis Science and Technology</i> , 2013 , 3, 58-69	5.5	192
154	Photocatalytic hydrogen generation from water/methanol mixtures using halogenated reconstituted graphenes. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11728	13	19
153	Influence of hydrogen annealing on the photocatalytic activity of diamond-supported gold catalysts. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 7160-9	9.5	25
152	Aerobic oxidation of cycloalkenes catalyzed by iron metal organic framework containing N-hydroxyphthalimide. <i>Journal of Catalysis</i> , 2012 , 289, 259-265	7.3	95
151	Selective photoinduced single or double electron reduction of perylenebisimides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012 , 231, 28-32	4.7	3
150	Influence of self-assembly of amphiphilic imidazolium ionic liquids on their host-guest complexes with cucurbit[n]urils. <i>Tetrahedron</i> , 2012 , 68, 4296-4301	2.4	15
149	Metal nanoparticles as heterogeneous Fenton catalysts. <i>ChemSusChem</i> , 2012 , 5, 46-64	8.3	223
148	Application of Dimethyl Carbonate as Solvent and Reagent 2012 , 363-374		1
147	Graphene Oxide as Catalyst for the Acetalization of Aldehydes at Room Temperature. <i>ChemCatChem</i> , 2012 , 4, 2026-2030	5.2	54
146	Comparison of Porous Iron Trimesates Basolite F300 and MIL-100(Fe) As Heterogeneous Catalysts for Lewis Acid and Oxidation Reactions: Roles of Structural Defects and Stability. <i>ACS Catalysis</i> , 2012 , 2, 2060-2065	13.1	167
145	Iron(III) metal-organic frameworks as solid Lewis acids for the isomerization of β -pinene oxide. <i>Catalysis Science and Technology</i> , 2012 , 2, 324-330	5.5	164

144	Commercial metal-organic frameworks as heterogeneous catalysts. <i>Chemical Communications</i> , 2012 , 48, 11275-88	5.8	344
143	Gold nanoparticles supported on nanoparticulate ceria as a powerful agent against intracellular oxidative stress. <i>Small</i> , 2012 , 8, 1895-903	11	34
142	Graphene as a quencher of electronic excited states of photochemical probes. <i>Langmuir</i> , 2012 , 28, 2849-57	5.7	51
141	Graphene oxide as an acid catalyst for the room temperature ring opening of epoxides. <i>Chemical Communications</i> , 2012 , 48, 5443-5	5.8	163
140	Photochemical Response of Commercial MOFs: Al ₂ (BDC) ₃ and Its Use As Active Material in Photovoltaic Devices. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 22200-22206	3.8	81
139	Aerobic Oxidation of Benzylic Alcohols Catalyzed by Metal-Organic Frameworks Assisted by TEMPO. <i>ACS Catalysis</i> , 2011 , 1, 48-53	13.1	204
138	Chemical instability of Cu ₃ (BTC) ₂ by reaction with thiols. <i>Catalysis Communications</i> , 2011 , 12, 1018-1021	3.2	44
137	Enhancement of the catalytic activity of supported gold nanoparticles for the Fenton reaction by light. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2218-26	16.4	210
136	Biodistribution of amino-functionalized diamond nanoparticles. In vivo studies based on ¹⁸ F radionuclide emission. <i>ACS Nano</i> , 2011 , 5, 5552-9	16.7	120
135	Dye-sensitized solar cells made of titania nanoparticles structured into a mesoporous material. <i>Canadian Journal of Chemistry</i> , 2011 , 89, 158-162	0.9	2
134	Intracrystalline diffusion in metal organic framework during heterogeneous catalysis: influence of particle size on the activity of MIL-100 (Fe) for oxidation reactions. <i>Dalton Transactions</i> , 2011 , 40, 10719-24	4.2	71
133	Delineating similarities and dissimilarities in the use of metal organic frameworks and zeolites as heterogeneous catalysts for organic reactions. <i>Dalton Transactions</i> , 2011 , 40, 6344-60	4.3	133
132	Metal-organic frameworks as heterogeneous catalysts for oxidation reactions. <i>Catalysis Science and Technology</i> , 2011 , 1, 856	5.5	257
131	Aerobic Oxidation of Styrenes Catalyzed by an Iron Metal Organic Framework. <i>ACS Catalysis</i> , 2011 , 1, 836-840	13.1	91
130	Sunlight-assisted Fenton reaction catalyzed by gold supported on diamond nanoparticles as pretreatment for biological degradation of aqueous phenol solutions. <i>ChemSusChem</i> , 2011 , 4, 650-7	8.3	42
129	Heterogeneous fenton catalysts based on activated carbon and related materials. <i>ChemSusChem</i> , 2011 , 4, 1712-30	8.3	145
128	Atmospheric-pressure, liquid-phase, selective aerobic oxidation of alkanes catalysed by metal-organic frameworks. <i>Chemistry - A European Journal</i> , 2011 , 17, 6256-62	4.8	65
127	Influence of the preparation procedure on the catalytic activity of gold supported on diamond nanoparticles for phenol peroxidation. <i>Chemistry - A European Journal</i> , 2011 , 17, 9494-502	4.8	39

126	Optimized water treatment by combining catalytic Fenton reaction using diamond supported gold and biological degradation. <i>Applied Catalysis B: Environmental</i> , 2011 , 103, 246-252	21.8	42
125	Aerobic oxidation of thiols to disulfides using iron metal-organic frameworks as solid redox catalysts. <i>Chemical Communications</i> , 2010 , 46, 6476-8	5.8	129
124	Visible-light C-Heteroatom bond cleavage and detoxification of chemical warfare agents using titania-supported gold nanoparticles as photocatalyst. <i>Journal of Materials Chemistry</i> , 2010 , 20, 4050		47
123	Multi-method characterization of DOM from the Turia river (Spain). <i>Applied Geochemistry</i> , 2010 , 25, 1632-1643	3.5	10
122	Nano-jewels in biology. Gold and platinum on diamond nanoparticles as antioxidant systems against cellular oxidative stress. <i>ACS Nano</i> , 2010 , 4, 6957-65	16.7	66
121	Fenton-treated functionalized diamond nanoparticles as gene delivery system. <i>ACS Nano</i> , 2010 , 4, 65-74	16.7	125
120	Photophysics of Fluorene Copolymers Containing 1,3,4-Oxadiazole or 1,3,4-Oxadiazole and Carbazole Units. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 14255-14260	3.8	4
119	Aerobic Oxidation of Benzyl Amines to Benzyl Imines Catalyzed by Metal-Organic Framework Solids. <i>ChemCatChem</i> , 2010 , 2, 1438-1443	5.2	116
118	Organosilica spheres covalently functionalized with diphenylanthracene and viologen units. <i>ChemPhysChem</i> , 2010 , 11, 3456-64	3.2	5
117	Claisen-Schmidt Condensation Catalyzed by Metal-Organic Frameworks. <i>Advanced Synthesis and Catalysis</i> , 2010 , 352, 711-717	5.6	93
116	Metal Organic Frameworks as Solid Acid Catalysts for Acetalization of Aldehydes with Methanol. <i>Advanced Synthesis and Catalysis</i> , 2010 , 352, 3022-3030	5.6	122
115	Two-photon chemistry in ruthenium 2,2'-bipyridyl-functionalized single-wall carbon nanotubes. <i>Chemistry - A European Journal</i> , 2010 , 16, 7282-92	4.8	14
114	Metal-organic frameworks as efficient heterogeneous catalysts for the regioselective ring opening of epoxides. <i>Chemistry - A European Journal</i> , 2010 , 16, 8530-6	4.8	176
113	Gold on Diamond Nanoparticles as a Highly Efficient Fenton Catalyst. <i>Angewandte Chemie</i> , 2010 , 122, 8581-8585	3.6	36
112	Gold on diamond nanoparticles as a highly efficient Fenton catalyst. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8403-7	16.4	156
111	Heterogeneous Fenton catalysts based on clays, silicas and zeolites. <i>Applied Catalysis B: Environmental</i> , 2010 , 99, 1-26	21.8	487
110	Metal organic frameworks as heterogeneous catalysts for the selective N-methylation of aromatic primary amines with dimethyl carbonate. <i>Applied Catalysis A: General</i> , 2010 , 378, 19-25	5.1	89
109	Visible-light photocatalytic activity of gold nanoparticles supported on template-synthesized mesoporous titania for the decontamination of the chemical warfare agent Soman. <i>Applied Catalysis B: Environmental</i> , 2010 , 99, 191-197	21.8	96

108	Photocatalytic water disinfection of <i>Cryptosporidium parvum</i> and <i>Giardia lamblia</i> using a fibrous ceramic TiO(2) photocatalyst. <i>Water Science and Technology</i> , 2009 , 59, 639-45	2.2	32
107	Metal organic frameworks as efficient heterogeneous catalysts for the oxidation of benzylic compounds with t-butylhydroperoxide. <i>Journal of Catalysis</i> , 2009 , 267, 1-4	7.3	153
106	Metal-Organic Frameworks (MOFs) as Heterogeneous Catalysts for the Chemoselective Reduction of Carbon-Carbon Multiple Bonds with Hydrazine. <i>Advanced Synthesis and Catalysis</i> , 2009 , 351, 2271-2276	5.6	87
105	Photoinduced formation and characterization of electron-hole pairs in azaxanthylum-derivatized short single-walled carbon nanotubes. <i>Chemistry - A European Journal</i> , 2009 , 15, 8751-9	4.8	10
104	Liposomes by polymerization of an imidazolium ionic liquid: use as microreactors for gold-catalyzed alcohol oxidation. <i>Chemistry - A European Journal</i> , 2009 , 15, 13082-9	4.8	23
103	Near-infrared emission quantum yield of soluble short single-walled carbon nanotubes. <i>ChemPhysChem</i> , 2009 , 10, 1305-10	3.2	4
102	Synergism of activated carbon and undoped and nitrogen-doped TiO2 in the photocatalytic degradation of the chemical warfare agents soman, VX, and yperite. <i>ChemSusChem</i> , 2009 , 2, 427-36	8.3	36
101	Chlorine dioxide reaction with selected amino acids in water. <i>Journal of Hazardous Materials</i> , 2009 , 164, 1089-97	12.8	43
100	Highly dealuminated Y zeolite as efficient adsorbent for the hydrophobic fraction from wastewater treatment plants effluents. <i>Journal of Hazardous Materials</i> , 2009 , 166, 553-60	12.8	11
99	Ca ²⁺ and Mg ²⁺ present in hard waters enhance trihalomethane formation. <i>Journal of Hazardous Materials</i> , 2009 , 169, 901-6	12.8	21
98	Laser flash photolysis of dioxo iron phthalocyanine intercalated in hydrotalcite and its use as a photocatalyst. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009 , 205, 19-22	4.7	8
97	(Perfluoro)sulfonic acids having an imidazolium tag as homogeneous and reusable ionophilic Brønsted acid catalysts for carboxylic acid esterification. <i>Applied Catalysis A: General</i> , 2009 , 369, 133-137	5.1	8
96	Structured mesoporous tin oxide with electrical conductivity. Application in electroluminescence. <i>Journal of the American Chemical Society</i> , 2009 , 131, 1342-3	16.4	23
95	Covalent Functionalization of Short, Single-Wall Carbon Nanotubes: Photophysics of 2,4,6-Triphenylpyrylium Attached to the Nanotube Walls. <i>Chemistry of Materials</i> , 2009 , 21, 884-890	9.6	20
94	Photochemistry of gold nanoparticles functionalized with an iron(II) terpyridine complex. An integrated visible light photocatalyst for hydrogen generation. <i>Dalton Transactions</i> , 2009 , 7437-44	4.3	26
93	General Strategy for High-Density Covalent Functionalization of Diamond Nanoparticles Using Fenton Chemistry. <i>Chemistry of Materials</i> , 2009 , 21, 4505-4514	9.6	78
92	Enhanced efficiency of the visible-light photocatalytic hydrogen generation by the ruthenium tris(2,2'-bipyridyl)-methyl viologen system in the presence of cucurbit[n]urils. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 1650-4	4.2	9
91	Photochemical treatment for water potabilization. Influence of wavelength and hydrogen peroxide concentration on the reduction of trihalomethanes. <i>Desalination and Water Treatment</i> , 2009 , 3, 21-28		

90	Sensitizers on inorganic carriers for decomposition of the chemical warfare agent yperite. <i>Environmental Science & Technology</i> , 2008 , 42, 4908-13	10.3	27
89	Reaction of chlorine dioxide with emergent water pollutants: product study of the reaction of three beta-lactam antibiotics with ClO ₂ . <i>Water Research</i> , 2008 , 42, 1935-42	12.5	99
88	Carbohydrates as trihalomethanes precursors. Influence of pH and the presence of Cl(-) and Br(-) on trihalomethane formation potential. <i>Water Research</i> , 2008 , 42, 3990-4000	12.5	57
87	Long-lived (minutes) photoinduced charge separation in a structured periodic mesoporous titania containing 2,4,6-triphenylpyrylium as guest. <i>Dalton Transactions</i> , 2008 , 5465-70	4.3	21
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