

# Mercedes Alvaro

## List of Publications by Citations

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13,382  
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L-index

#	Paper	IF	Citations
233	Semiconductor behavior of a metal-organic framework (MOF). <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 5106-12	4.8	686
232	Carbocatalysis by graphene-based materials. <i>Chemical Reviews</i> , <b>2014</b> , 114, 6179-212	68.1	512
231	Heterogeneous Fenton catalysts based on clays, silicas and zeolites. <i>Applied Catalysis B: Environmental</i> , <b>2010</b> , 99, 1-26	21.8	487
230	Commercial metal-organic frameworks as heterogeneous catalysts. <i>Chemical Communications</i> , <b>2012</b> , 48, 11275-88	5.8	344
229	Metal-organic frameworks as heterogeneous catalysts for oxidation reactions. <i>Catalysis Science and Technology</i> , <b>2011</b> , 1, 856	5.5	257
228	Photocatalytic CO(2) reduction using non-titanium metal oxides and sulfides. <i>ChemSusChem</i> , <b>2013</b> , 6, 562-77	8.3	251
227	Metal nanoparticles as heterogeneous Fenton catalysts. <i>ChemSusChem</i> , <b>2012</b> , 5, 46-64	8.3	223
226	Metal nanoparticles supported on two-dimensional graphenes as heterogeneous catalysts. <i>Coordination Chemistry Reviews</i> , <b>2016</b> , 312, 99-148	23.2	222
225	Enhancement of the catalytic activity of supported gold nanoparticles for the Fenton reaction by light. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 2218-26	16.4	210
224	Active sites on graphene-based materials as metal-free catalysts. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 4501-4529	58.5	205
223	Aerobic Oxidation of Benzylic Alcohols Catalyzed by Metal-Organic Frameworks Assisted by TEMPO. <i>ACS Catalysis</i> , <b>2011</b> , 1, 48-53	13.1	204
222	Catalytic activity of unsupported gold nanoparticles. <i>Catalysis Science and Technology</i> , <b>2013</b> , 3, 58-69	5.5	192
221	Synthesis, photochemistry, and electrochemistry of single-wall carbon nanotubes with pendent pyridyl groups and of their metal complexes with zinc porphyrin. Comparison with pyridyl-bearing fullerenes. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 6626-35	16.4	189
220	Metal-organic frameworks as efficient heterogeneous catalysts for the regioselective ring opening of epoxides. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 8530-6	4.8	176
219	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> , <b>2012</b> , 2, 2060-2065	13.1	167
218	Iron(III) metal-organic frameworks as solid Lewis acids for the isomerization of $\alpha$ -pinene oxide. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 324-330	5.5	164
217	Graphene oxide as an acid catalyst for the room temperature ring opening of epoxides. <i>Chemical Communications</i> , <b>2012</b> , 48, 5443-5	5.8	163

216	Synthesis and catalytic activity of a chiral periodic mesoporous organosilica (ChiMO). <i>Chemical Communications</i> , <b>2003</b> , 1860-1	5.8	160
215	Gold on diamond nanoparticles as a highly efficient Fenton catalyst. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 8403-7	16.4	156
214	Metal organic frameworks as efficient heterogeneous catalysts for the oxidation of benzylic compounds with t-butylhydroperoxide. <i>Journal of Catalysis</i> , <b>2009</b> , 267, 1-4	7.3	153
213	Heterogeneous fenton catalysts based on activated carbon and related materials. <i>ChemSusChem</i> , <b>2011</b> , 4, 1712-30	8.3	145
212	Periodic mesoporous organosilica incorporating a catalytically active vanadyl Schiff base complex in the framework. <i>Journal of Catalysis</i> , <b>2004</b> , 223, 106-113	7.3	136
211	Delineating similarities and dissimilarities in the use of metal organic frameworks and zeolites as heterogeneous catalysts for organic reactions. <i>Dalton Transactions</i> , <b>2011</b> , 40, 6344-60	4.3	133
210	Aerobic oxidation of thiols to disulfides using iron metal-organic frameworks as solid redox catalysts. <i>Chemical Communications</i> , <b>2010</b> , 46, 6476-8	5.8	129
209	Nafion <sup>®</sup> functionalized mesoporous MCM-41 silica shows high activity and selectivity for carboxylic acid esterification and Friedel-Crafts acylation reactions. <i>Journal of Catalysis</i> , <b>2005</b> , 231, 48-55	7.3	129
208	Fenton-treated functionalized diamond nanoparticles as gene delivery system. <i>ACS Nano</i> , <b>2010</b> , 4, 65-74	16.7	125
207	Metal Organic Frameworks as Solid Acid Catalysts for Acetalization of Aldehydes with Methanol. <i>Advanced Synthesis and Catalysis</i> , <b>2010</b> , 352, 3022-3030	5.6	122
206	Doped graphene as a metal-free carbocatalyst for the selective aerobic oxidation of benzylic hydrocarbons, cyclooctane and styrene. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 7547-54	4.8	121
205	Biodistribution of amino-functionalized diamond nanoparticles. In vivo studies based on <sup>18</sup> F radionuclide emission. <i>ACS Nano</i> , <b>2011</b> , 5, 5552-9	16.7	120
204	Aerobic Oxidation of Benzyl Amines to Benzyl Imines Catalyzed by Metal-Organic Framework Solids. <i>ChemCatChem</i> , <b>2010</b> , 2, 1438-1443	5.2	116
203	Sidewall Functionalization of Single-Walled Carbon Nanotubes with Nitrile Imines. Electron Transfer from the Substituent to the Carbon Nanotube. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 12697-12697	7.4	110
202	Intrazeolite Photochemistry. 17. Zeolites as Electron Donors: Photolysis of Methylviologen Incorporated within Zeolites. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 3043-3051	3.4	108
201	MIL-101 promotes the efficient aerobic oxidative desulfurization of dibenzothiophenes. <i>Green Chemistry</i> , <b>2016</b> , 18, 508-515	10	106
200	Single-step preparation and catalytic activity of mesoporous MCM-41 and SBA-15 silicas functionalized with perfluoroalkylsulfonic acid groups analogous to Nafion. <i>Chemical Communications</i> , <b>2004</b> , 956-7	5.8	103
199	CO fixation using recoverable chromium salen catalysts: use of ionic liquids as cosolvent or high-surface-area silicates as supports. <i>Journal of Catalysis</i> , <b>2004</b> , 228, 254-258	7.3	100

198	Reaction of chlorine dioxide with emergent water pollutants: product study of the reaction of three beta-lactam antibiotics with ClO <sub>2</sub> . <i>Water Research</i> , <b>2008</b> , 42, 1935-42	12.5	99
197	Iron phthalocyanine supported on silica or encapsulated inside zeolite Y as solid photocatalysts for the degradation of phenols and sulfur heterocycles. <i>Applied Catalysis B: Environmental</i> , <b>2005</b> , 57, 37-42	21.8	99
196	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> , <b>2010</b> , 99, 191-197	21.8	96
195	Photocatalytic activity of structured mesoporous TiO <sub>2</sub> materials. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 6661-5	3.4	96
194	Aerobic oxidation of cycloalkenes catalyzed by iron metal organic framework containing N-hydroxyphthalimide. <i>Journal of Catalysis</i> , <b>2012</b> , 289, 259-265	7.3	95
193	Claisen-Schmidt Condensation Catalyzed by Metal-Organic Frameworks. <i>Advanced Synthesis and Catalysis</i> , <b>2010</b> , 352, 711-717	5.6	93
192	Aerobic Oxidation of Styrenes Catalyzed by an Iron Metal Organic Framework. <i>ACS Catalysis</i> , <b>2011</b> , 1, 836-840	13.1	91
191	Metal organic frameworks as heterogeneous catalysts for the selective N-methylation of aromatic primary amines with dimethyl carbonate. <i>Applied Catalysis A: General</i> , <b>2010</b> , 378, 19-25	5.1	89
190	Metal-Organic Frameworks (MOFs) as Heterogeneous Catalysts for the Chemoselective Reduction of Carbon-Carbon Multiple Bonds with Hydrazine. <i>Advanced Synthesis and Catalysis</i> , <b>2009</b> , 351, 2271-2278	5.6	87
189	MIL-101 as Reusable Solid Catalyst for Autoxidation of Benzylic Hydrocarbons in the Absence of Additional Oxidizing Reagents. <i>ACS Catalysis</i> , <b>2015</b> , 5, 3216-3224	13.1	86
188	A periodic mesoporous organosilica containing electron acceptor viologen units. <i>Chemical Communications</i> , <b>2001</b> , 2546-2547	5.8	84
187	Metal organic frameworks as catalysts in solvent-free or ionic liquid assisted conditions. <i>Green Chemistry</i> , <b>2018</b> , 20, 86-107	10	82
186	Photochemical Response of Commercial MOFs: Al <sub>2</sub> (BDC) <sub>3</sub> and Its Use As Active Material in Photovoltaic Devices. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 22200-22206	3.8	81
185	Synthesis of Chiral Periodic Mesoporous Silicas (ChiMO) of MCM-41 Type with Binaphthyl and Cyclohexadiyl Groups Incorporated in the Framework and Direct Measurement of Their Optical Activity. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 2222-2228	9.6	81
184	Polymer-bound aluminium salen complex as reusable catalysts for CO <sub>2</sub> insertion into epoxides. <i>Tetrahedron</i> , <b>2005</b> , 61, 12131-12139	2.4	81
183	Ti as Mediator in the Photoinduced Electron Transfer of Mixed-Metal NH <sub>2</sub> UiO-66(Zr/Ti): Transient Absorption Spectroscopy Study and Application in Photovoltaic Cell. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 7015-7024	3.8	78
182	General Strategy for High-Density Covalent Functionalization of Diamond Nanoparticles Using Fenton Chemistry. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 4505-4514	9.6	78
181	Graphenes as Efficient Metal-Free Fenton Catalysts. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 11966-71	4.8	73

180	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> , <b>2011</b> , 40, 10719-24	4.2	71
179	Intrazeolite Photochemistry. 20. Characterization of Highly Luminescent Europium Complexes inside Zeolites. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 8744-8750	3.4	70
178	Screening of an ionic liquid as medium for photochemical reactions. <i>Chemical Physics Letters</i> , <b>2002</b> , 362, 435-440	2.5	67
177	Nano-jewels in biology. Gold and platinum on diamond nanoparticles as antioxidant systems against cellular oxidative stress. <i>ACS Nano</i> , <b>2010</b> , 4, 6957-65	16.7	66
176	Atmospheric-pressure, liquid-phase, selective aerobic oxidation of alkanes catalysed by metal-organic frameworks. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 6256-62	4.8	65
175	Engineering of activated carbon surface to enhance the catalytic activity of supported cobalt oxide nanoparticles in peroxymonosulfate activation. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 249, 42-53	21.8	57
174	Carbohydrates as trihalomethanes precursors. Influence of pH and the presence of Cl(-) and Br(-) on trihalomethane formation potential. <i>Water Research</i> , <b>2008</b> , 42, 3990-4000	12.5	57
173	Enhancing visible-light photocatalytic activity for overall water splitting in UiO-66 by controlling metal node composition. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 278, 119345	21.8	55
172	Graphene Oxide as Catalyst for the Acetalization of Aldehydes at Room Temperature. <i>ChemCatChem</i> , <b>2012</b> , 4, 2026-2030	5.2	54
171	High catalytic activity of oriented 2.0.0 copper(I) oxide grown on graphene film. <i>Nature Communications</i> , <b>2015</b> , 6, 8561	17.4	53
170	Reversible Porosity Changes in Photoresponsive Azobenzene-Containing Periodic Mesoporous Silicas. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 4958-4964	9.6	53
169	Graphene as a quencher of electronic excited states of photochemical probes. <i>Langmuir</i> , <b>2012</b> , 28, 2849-57	4.7	51
168	Polymerization of Alkynes in the Channels of Mesoporous Materials Containing Ni and Zn Cations: Almost Complete Filling of the Voids. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 3141-3142	16.4	51
167	Photochemical modification of the surface area and tortuosity of a trans-1,2-bis(4-pyridyl)ethylene periodic mesoporous MCM organosilica. <i>Chemical Communications</i> , <b>2002</b> , 2012-3	5.8	50
166	Functional molecules from single wall carbon nanotubes. Photoinduced solubility of short single wall carbon nanotube residues by covalent anchoring of 2,4,6-triarylpyrylium units. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 5647-55	16.4	48
165	Synthesis and photochemistry of soluble, pentyl ester-modified single wall carbon nanotube. <i>Chemical Physics Letters</i> , <b>2004</b> , 386, 342-345	2.5	48
164	Reduction of alkenes catalyzed by copper nanoparticles supported on diamond nanoparticles. <i>Chemical Communications</i> , <b>2013</b> , 49, 2359-61	5.8	47
163	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> , <b>2010</b> , 20, 4050		47

162	An organically modified single wall carbon nanotube containing a pyrene chromophore: fluorescence and diffuse reflectance laser flash photolysis study. <i>Chemical Physics Letters</i> , <b>2004</b> , 384, 119-123	2.5	46
161	Electrical Conductivity of Zeolite Films: Influence of Charge Balancing Cations and Crystal Structure. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 26-33	9.6	45
160	Intrazeolite Photochemistry. 26. Photophysical Properties of Nanosized TiO <sub>2</sub> Clusters Included in Zeolites Y, $\beta$ and Mordenite. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 715-722	9.6	45
159	Chemical instability of Cu <sub>3</sub> (BTC) <sub>2</sub> by reaction with thiols. <i>Catalysis Communications</i> , <b>2011</b> , 12, 1018-1021	3.2	44
158	Enhanced photocatalytic activity of zeolite-encapsulated TiO <sub>2</sub> clusters by complexation with organic additives and N-doping. <i>ChemPhysChem</i> , <b>2006</b> , 7, 200-5	3.2	44
157	2,4,6-Triphenylpyrylium ion encapsulated within Y zeolite as photocatalyst for the degradation of methyl parathion. <i>Water Research</i> , <b>2000</b> , 34, 320-326	12.5	44
156	Influence of co-catalysts on the photocatalytic activity of MIL-125(Ti)-NH <sub>2</sub> in the overall water splitting. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 254, 677-684	21.8	43
155	Chlorine dioxide reaction with selected amino acids in water. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 164, 1089-97	12.8	43
154	2, 4, 6-Triphenylpyrylium ion encapsulated in Y zeolite as photocatalyst. A co-operative contribution of the zeolite host to the photodegradation of 4-chlorophenoxyacetic acid using solar light. <i>Applied Catalysis B: Environmental</i> , <b>1998</b> , 15, 247-257	21.8	43
153	Intrazeolite Photochemistry. 21. 2,4,6-Triphenylpyrylium Encapsulated inside Zeolite Y Supercages as Heterogeneous Photocatalyst for the Generation of Hydroxyl Radical. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 7351-7352	16.4	43
152	Influence of functionalization of terephthalate linker on the catalytic activity of UiO-66 for epoxide ring opening. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 425, 332-339		42
151	Aerobic Oxidation of Thiols Catalyzed by Copper Nanoparticles Supported on Diamond Nanoparticles. <i>ChemCatChem</i> , <b>2013</b> , 5, 241-246	5.2	42
150	Sunlight-assisted Fenton reaction catalyzed by gold supported on diamond nanoparticles as pretreatment for biological degradation of aqueous phenol solutions. <i>ChemSusChem</i> , <b>2011</b> , 4, 650-7	8.3	42
149	Optimized water treatment by combining catalytic Fenton reaction using diamond supported gold and biological degradation. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 103, 246-252	21.8	42
148	Influence of the preparation procedure on the catalytic activity of gold supported on diamond nanoparticles for phenol peroxidation. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 9494-502	4.8	39
147	Laser flash photolysis study of Jacobsen catalyst and related manganese(III) salen complexes. Relevance to catalysis. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 7074-80	16.4	39
146	Exploring the catalytic performance of a series of bimetallic MIL-100(Fe, Ni) MOFs. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 20285-20292	13	37
145	Synergism of activated carbon and undoped and nitrogen-doped TiO <sub>2</sub> in the photocatalytic degradation of the chemical warfare agents soman, VX, and yperite. <i>ChemSusChem</i> , <b>2009</b> , 2, 427-36	8.3	36

144	Gold on Diamond Nanoparticles as a Highly Efficient Fenton Catalyst. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 8581-8585	3.6	36
143	Reduced Graphene Oxide as a Metal-Free Catalyst for the Light-Assisted Fenton-Like Reaction. <i>ChemCatChem</i> , <b>2016</b> , 8, 2642-2648	5.2	35
142	Influence of Terephthalic Acid Substituents on the Catalytic Activity of MIL-101(Cr) in Three Lewis Acid Catalyzed Reactions. <i>ChemCatChem</i> , <b>2017</b> , 9, 2506-2511	5.2	34
141	Highly fluorescent C-dots obtained by pyrolysis of quaternary ammonium ions trapped in all-silica ITQ-29 zeolite. <i>Nanoscale</i> , <b>2015</b> , 7, 1744-52	7.7	34
140	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> , <b>2018</b> , 226, 242-251	21.8	34
139	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> , <b>2016</b> , 6, 3727-3736	5.5	34
138	Gold nanoparticles supported on nanoparticulate ceria as a powerful agent against intracellular oxidative stress. <i>Small</i> , <b>2012</b> , 8, 1895-903	11	34
137	Electrochemistry of Mesoporous Organosilica of MCM-41 Type Containing 4,4'-Bipyridinium Units: Voltammetric Response and Electrocatalytic Effect on 1,4-Dihydrobenzoquinone Oxidation. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 12781-12788	3.4	34
136	General aspects in the use of graphenes in catalysis. <i>Materials Horizons</i> , <b>2018</b> , 5, 363-378	14.4	33
135	Polymer- and Ionic Liquid-Containing Palladium: Recoverable Soluble Cross-Coupling Catalysts. <i>ChemCatChem</i> , <b>2013</b> , 5, 3460-3480	5.2	33
134	Increasing the Stability of Electroluminescent Phenylenevinylene Polymers by Encapsulation in Nanoporous Inorganic Materials. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 2142-2147	9.6	33
133	Degradation of propoxur in water using 2,4,6-triphenylpyryliumzeolite Y as photocatalyst. <i>Applied Catalysis B: Environmental</i> , <b>2000</b> , 25, 257-265	21.8	33
132	Photocatalytic water disinfection of <i>Cryptosporidium parvum</i> and <i>Giardia lamblia</i> using a fibrous ceramic TiO <sub>2</sub> photocatalyst. <i>Water Science and Technology</i> , <b>2009</b> , 59, 639-45	2.2	32
131	A novel concept for photovoltaic cells: clusters of titanium dioxide encapsulated within zeolites as photoactive semiconductors. <i>ChemPhysChem</i> , <b>2006</b> , 7, 1996-2002	3.2	32
130	Preparation and photochemistry of single wall carbon nanotubes having covalently anchored viologen units. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 7692-7	3.4	32
129	Covalently Modified Graphenes in Catalysis, Electrocatalysis and Photoresponsive Materials. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 15244-15275	4.8	31
128	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> , <b>2018</b> , 532, 700-710	9.3	31
127	Photocatalytic degradation of sulphur-containing aromatic compounds in the presence of zeolite-bound 2,4,6-triphenylpyrylium and 2,4,6-triphenylthiapyrylium. <i>Applied Catalysis B: Environmental</i> , <b>2004</b> , 51, 195-202	21.8	31

126	Hydroxyalkylation of benzene derivatives by benzaldehyde in the presence of acid zeolites. <i>Applied Catalysis A: General</i> , <b>1998</b> , 175, 105-112	5.1	30
125	Ship-in-a-bottle synthesis of 2,4,6-triphenylthiopyrylium cations encapsulated in zeolites Y and beta: a novel robust photocatalyst. <i>Photochemical and Photobiological Sciences</i> , <b>2004</b> , 3, 189-93	4.2	29
124	Photochemistry of single wall carbon nanotubes embedded in a mesoporous silica matrix. <i>Chemical Communications</i> , <b>2002</b> , 3004-5	5.8	29
123	Influence of radical initiators in gold catalysis: Evidence supporting trapping of radicals derived from azobis(isobutyronitrile) by gold halides. <i>Journal of Catalysis</i> , <b>2007</b> , 245, 249-252	7.3	28
122	Photoinduced electron transfer in ionic liquids: use of 2,4,6-triphenylthiopyrylium as a photosensitizer probe. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 14956-60	3.4	28
121	Sensitizers on inorganic carriers for decomposition of the chemical warfare agent yperite. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 4908-13	10.3	27
120	Friedel-Crafts hydroxyalkylation: reaction of anisole with paraformaldehyde catalyzed by zeolites in supercritical CO <sub>2</sub> . <i>Journal of Catalysis</i> , <b>2003</b> , 219, 464-468	7.3	27
119	Photochemistry of gold nanoparticles functionalized with an iron(II) terpyridine complex. An integrated visible light photocatalyst for hydrogen generation. <i>Dalton Transactions</i> , <b>2009</b> , 7437-44	4.3	26
118	Electrochemiluminescence of a Periodic Mesoporous Organosilica Containing 9,10-Diarylanthracene Units. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 7532-7538	3.8	26
117	Study of Redox Processes in Zeolite Y-Associated 2,4,6-Triphenylthiopyrylium Ion by Square Wave Voltammetry. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 3040-3050	3.4	26
116	Influence of hydrogen annealing on the photocatalytic activity of diamond-supported gold catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 7160-9	9.5	25
115	Nickel nanoparticles supported on graphene as catalysts for aldehyde hydrosilylation. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 412, 13-19		24
114	Modified mesoporous MCM-41 as hosts for photochromic spirobenzopyrans. <i>Photochemical and Photobiological Sciences</i> , <b>2002</b> , 1, 219-23	4.2	24
113	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> , <b>2017</b> , 7, 1351-1362	5.5	23
112	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> , <b>2013</b> , 142-143, 259-267	21.8	23
111	Tunability by alkali metal cations of photoinduced charge separation in azacrown functionalized graphene. <i>Chemical Communications</i> , <b>2013</b> , 49, 3236-8	5.8	23
110	Alginate as Template in the Preparation of Active Titania Photocatalysts. <i>ChemCatChem</i> , <b>2013</b> , 5, 513-518	3.2	23
109	Palladium nanoparticles supported on graphene as catalysts for the dehydrogenative coupling of hydrosilanes and amines. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 2167-2173	5.5	23

108	Liposomes by polymerization of an imidazolium ionic liquid: use as microreactors for gold-catalyzed alcohol oxidation. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 13082-9	4.8	23
107	Structured mesoporous tin oxide with electrical conductivity. Application in electroluminescence. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 1342-3	16.4	23
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105	Graphenes as Metal-free Catalysts for the Oxidative Depolymerization of Lignin Models. <i>ChemCatChem</i> , <b>2015</b> , 7, 3020-3026	5.2	21
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