

Rosaria Ciriminna

List of Publications by Citations

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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.

254
papers

9,459
citations

48
h-index

90
g-index

346
ext. papers

10,829
ext. citations

6.4
avg, IF

6.57
L-index

#	Paper	IF	Citations
254	From glycerol to value-added products. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4434-40	16.4	1262
253	The sol-gel route to advanced silica-based materials and recent applications. <i>Chemical Reviews</i> , 2013 , 113, 6592-620	68.1	413
252	Nanochemistry-derived Bi ₂ WO ₆ nanostructures: towards production of sustainable chemicals and fuels induced by visible light. <i>Chemical Society Reviews</i> , 2014 , 43, 5276-87	58.5	313
251	Limonene: a versatile chemical of the bioeconomy. <i>Chemical Communications</i> , 2014 , 50, 15288-96	5.8	266
250	Industrial Oxidations with Organocatalyst TEMPO and Its Derivatives. <i>Organic Process Research and Development</i> , 2010 , 14, 245-251	3.9	262
249	Understanding the glycerol market. <i>European Journal of Lipid Science and Technology</i> , 2014 , 116, 1432-1439	3.9	240
248	Flexible solar cells. <i>ChemSusChem</i> , 2008 , 1, 880-91	8.3	224
247	Heterogeneous versus Homogeneous Palladium Catalysts for Cross-Coupling Reactions. <i>ChemCatChem</i> , 2012 , 4, 432-445	5.2	215
246	New fluorinated functional materials. <i>Journal of Materials Chemistry</i> , 2005 , 15, 4981		193
245	Hydrogen Peroxide: A Key Chemical for Today's Sustainable Development. <i>ChemSusChem</i> , 2016 , 9, 3374-3381	8.3	187
244	Ru-based oxidation catalysis. <i>Chemical Society Reviews</i> , 2005 , 34, 837-45	58.5	171
243	From molecules to systems: sol-gel microencapsulation in silica-based materials. <i>Chemical Reviews</i> , 2011 , 111, 765-89	68.1	170
242	Role of the Alkylalkoxide Precursor on the Structure and Catalytic Properties of Hybrid Sol-Gel Catalysts. <i>Chemistry of Materials</i> , 2005 , 17, 6686-6694	9.6	126
241	Ecofriendly Antifouling Marine Coatings. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 559-565	8.3	124
240	Von Glycerin zu höherwertigen Produkten. <i>Angewandte Chemie</i> , 2007 , 119, 4516-4522	3.6	117
239	Industrial Applications of Gold Catalysis. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14210-14217	17.4	116
238	High-performance quenchometric oxygen sensors based on fluorinated xerogels doped with [Ru(dpp) ₃] ²⁺ . <i>Analytical Chemistry</i> , 2005 , 77, 2670-2	7.8	113

237	Solar hydrogen: fuel of the near future. <i>Energy and Environmental Science</i> , 2010 , 3, 279	35.4	107
236	Environmentally benign sol-gel antifouling and foul-releasing coatings. <i>Accounts of Chemical Research</i> , 2014 , 47, 678-87	24.3	105
235	Pectin: A new perspective from the biorefinery standpoint. <i>Biofuels, Bioproducts and Biorefining</i> , 2015 , 9, 368-377	5.3	104
234	Citric acid: emerging applications of key biotechnology industrial product. <i>Chemistry Central Journal</i> , 2017 , 11, 22		103
233	One-pot electrocatalytic oxidation of glycerol to DHA. <i>Tetrahedron Letters</i> , 2006 , 47, 6993-6995	2	96
232	Green Chemistry in the Fine Chemicals and Pharmaceutical Industries. <i>Organic Process Research and Development</i> , 2013 , 17, 1479-1484	3.9	88
231	Silica-based hybrid coatings. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3116		88
230	BIPV: merging the photovoltaic with the construction industry. <i>Progress in Photovoltaics: Research and Applications</i> , 2010 , 18, 61-72	6.8	87
229	Aerobic oxidation of alcohols in carbon dioxide with silica-supported ionic liquids doped with perruthenate. <i>Chemistry - A European Journal</i> , 2006 , 12, 5220-4	4.8	80
228	Eco-Friendly Extraction of Pectin and Essential Oils from Orange and Lemon Peels. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 2243-2251	8.3	74
227	Sol-gel entrapped TEMPO for the selective oxidation of methyl β -D-glucopyranoside. <i>Chemical Communications</i> , 2000 , 1441-1442	5.8	72
226	Recent advances in the conversion of bioglycerol into value-added products. <i>European Journal of Lipid Science and Technology</i> , 2009 , 111, 788-799	3	71
225	Nanochemistry aspects of titania in dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2009 , 2, 838	35.4	71
224	A New Class of Heterogeneous Platinum Catalysts for the Chemoselective Hydrogenation of Nitroarenes. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 1306-1316	5.6	70
223	2008 ,		69
222	Enhanced heterogeneous catalytic conversion of furfuryl alcohol into butyl levulinate. <i>ChemSusChem</i> , 2014 , 7, 835-40	8.3	68
221	Sol-Gel Ormosils Doped with TEMPO as Recyclable Catalysts for the Selective Oxidation of Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2002 , 344, 159	5.6	65
220	Commercialization of graphene-based technologies: a critical insight. <i>Chemical Communications</i> , 2015 , 51, 7090-5	5.8	63

219	Heterogeneously Catalyzed Alcohol Oxidation for the Fine Chemical Industry. <i>Organic Process Research and Development</i> , 2015 , 19, 1554-1558	3.9	62
218	Review of Evidence Available on Hesperidin-Rich Products as Potential Tools against COVID-19 and Hydrodynamic Cavitation-Based Extraction as a Method of Increasing Their Production. <i>Processes</i> , 2020 , 8, 549	2.9	58
217	A new class of heterogeneous Pd catalysts for synthetic organic chemistry. <i>Catalysis Science and Technology</i> , 2011 , 1, 736	5.5	57
216	One-Pot Homogeneous and Heterogeneous Oxidation of Glycerol to Ketomalonic Acid Mediated by TEMPO. <i>Advanced Synthesis and Catalysis</i> , 2003 , 345, 383-388	5.6	56
215	The great solar boom: a global perspective into the far reaching impact of an unexpected energy revolution. <i>Energy Science and Engineering</i> , 2015 , 3, 499-509	3.4	52
214	SiliaCat TEMPO: An Effective and Useful Oxidizing Catalyst. <i>Organic Process Research and Development</i> , 2007 , 11, 766-768	3.9	52
213	Better chemistry through ceramics: the physical bases of the outstanding chemistry of ORMOSIL. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 1976-88	3.4	52
212	Lycopene: Emerging Production Methods and Applications of a Valued Carotenoid. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 643-650	8.3	51
211	Extraction, benefits and valorization of olive polyphenols. <i>European Journal of Lipid Science and Technology</i> , 2016 , 118, 503-511	3	50
210	Comparison of the volatile oils of <i>Hypericum scabrum</i> L. and <i>Hypericum perforatum</i> L. from Turkey. <i>Flavour and Fragrance Journal</i> , 1997 , 12, 285-287	2.5	50
209	Sol-gel microencapsulation of odorants and flavors: opening the route to sustainable fragrances and aromas. <i>Chemical Society Reviews</i> , 2013 , 42, 9243-50	58.5	49
208	Polymers of Limonene Oxide and Carbon Dioxide: Polycarbonates of the Solar Economy. <i>ACS Omega</i> , 2018 , 3, 4884-4890	3.9	48
207	The chemical effects of molecular sol-gel entrapment. <i>Chemical Society Reviews</i> , 2007 , 36, 932-40	58.5	46
206	Rethinking solar energy education on the dawn of the solar economy. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 63, 13-18	16.2	45
205	Enhancing and improving the extraction of omega-3 from fish oil. <i>Sustainable Chemistry and Pharmacy</i> , 2017 , 5, 54-59	3.9	43
204	Graphite-supported TiO ₂ for 4-nitrophenol degradation in a photoelectrocatalytic reactor. <i>Chemical Engineering Journal</i> , 2009 , 155, 339-346	14.7	43
203	Beer-brewing powered by controlled hydrodynamic cavitation: Theory and real-scale experiments. <i>Journal of Cleaner Production</i> , 2017 , 142, 1457-1470	10.3	42
202	New recyclable catalysts for aerobic alcohols oxidation: sol-gel ormosils doped with TPAP. <i>Tetrahedron Letters</i> , 2001 , 42, 4511-4514	2	41

201	Toward the Waste-Free Synthesis of Fine Chemicals with Visible Light. <i>Organic Process Research and Development</i> , 2016 , 20, 403-408	3.9	40
200	Oxidation of Amino Diols Mediated by Homogeneous and Heterogeneous TEMPO. <i>Advanced Synthesis and Catalysis</i> , 2004 , 346, 655-660	5.6	40
199	Alcohols oxidation with hydrogen peroxide promoted by TPAP-doped ormosils. <i>Tetrahedron Letters</i> , 2004 , 45, 7283-7286	2	40
198	Waste-Free Electrochemical Oxidation of Alcohols in Water. <i>Advanced Synthesis and Catalysis</i> , 2006 , 348, 2033-2037	5.6	39
197	Greening the Valsartan Synthesis: Scale-up of Key SuzukiMiyaura Coupling over SiliaCat DPP-Pd. <i>Organic Process Research and Development</i> , 2013 , 17, 1492-1497	3.9	38
196	Electrochemical Alcohol Oxidation Mediated by TEMPO-like Nitroxyl Radicals. <i>ChemistryOpen</i> , 2017 , 6, 5-10	2.3	37
195	Electrodes Functionalized with the 2,2,6,6-Tetramethylpiperidinyloxy Radical for the Waste-Free Oxidation of Alcohols. <i>ChemCatChem</i> , 2015 , 7, 552-558	5.2	37
194	Platinum-Based Heterogeneously Catalyzed Hydrosilylation. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 6227-6235	3.2	37
193	Catalysis with Doped Sol-Gel Silicates. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 677-687	5.6	37
192	Real-Scale Integral Valorization of Waste Orange Peel via Hydrodynamic Cavitation. <i>Processes</i> , 2019 , 7, 581	2.9	36
191	Tailoring the catalytic performance of sol-gel-encapsulated tetra-n-propylammonium perruthenate (TPAP) in aerobic oxidation of alcohols. <i>Chemistry - A European Journal</i> , 2003 , 9, 5067-73	4.8	36
190	SiliaCat: A Versatile Catalyst Series for Synthetic Organic Chemistry. <i>Organic Process Research and Development</i> , 2015 , 19, 755-768	3.9	35
189	Closing the Organosilicon Synthetic Cycle: Efficient Heterogeneous Hydrosilylation of Alkenes over SiliaCat Pt(0). <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 249-253	8.3	35
188	Sol-gel entrapped visible light photocatalysts for selective conversions. <i>RSC Advances</i> , 2014 , 4, 18341-18346	3.7	32
187	Energy efficient inactivation of <i>Saccharomyces cerevisiae</i> via controlled hydrodynamic cavitation. <i>Energy Science and Engineering</i> , 2015 , 3, 221-238	3.4	32
186	Volatile Constituents of <i>Teucrium polium</i> L. from Turkey. <i>Journal of Essential Oil Research</i> , 1998 , 10, 113-115	1.5	32
185	Industrial Feasibility of Natural Products Extraction with Microwave Technology. <i>ChemistrySelect</i> , 2016 , 1, 549-555	1.8	32
184	High-Quality Essential Oils Extracted by an Eco-Friendly Process from Different Citrus Fruits and Fruit Regions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 5578-5587	8.3	29

- 183 Innovative beer-brewing of typical, old and healthy wheat varieties to boost their spreading. *Journal of Cleaner Production*, **2018**, 171, 297-311 10.3 29
- 182 Process Intensification of the SuzukiMiyaura Reaction over Sol-Gel Entrapped Catalyst SiliaCat DPP-Pd Under Conditions of Continuous Flow. *Organic Process Research and Development*, **2014**, 18, 1550-1555²⁹
- 181 Enhancing selectivity in oxidation catalysis with sol-gel nanocomposites. *Organic and Biomolecular Chemistry*, **2005**, 3, 2389-92 3.9 29
- 180 Dihydroxyacetone: An Updated Insight into an Important Bioproduct. *ChemistryOpen*, **2018**, 7, 233-236 2.3 28
- 179 Heterogeneous Sonogashira Coupling over Nanostructured SiliaCat Pd(0). *ACS Sustainable Chemistry and Engineering*, **2013**, 1, 57-61 8.3 27
- 178 Visible-light driven oxidation of gaseous aliphatic alcohols to the corresponding carbonyls via TiO₂ sensitized by a perylene derivative. *Environmental Science and Pollution Research*, **2014**, 21, 11135-41 5.1 26
- 177 Selective Hydrogenation of Vegetable Oils over SiliaCat Pd(0). *Organic Process Research and Development*, **2012**, 16, 1307-1311 3.9 26
- 176 Selective hydrogenation of functionalized nitroarenes under mild conditions. *Catalysis Science and Technology*, **2011**, 1, 1616 5.5 26
- 175 Gluten reduction in beer by hydrodynamic cavitation assisted brewing of barley malts. *LWT - Food Science and Technology*, **2017**, 82, 342-353 5.4 25
- 174 Beer produced via hydrodynamic cavitation retains higher amounts of xanthohumol and other hops prenylflavonoids. *LWT - Food Science and Technology*, **2018**, 91, 160-167 5.4 25
- 173 Wastewater remediation via controlled hydrocavitation. *Environmental Reviews*, **2017**, 25, 175-183 4.5 25
- 172 Betanin: A Bioeconomy Insight into a Valued Betacyanin. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 2860-2865 8.3 24
- 171 Photocatalytic partial oxidation of limonene to 1,2 limonene oxide. *Chemical Communications*, **2018**, 54, 1008-1011 5.8 24
- 170 The structural origins of superior performance in sol-gel catalysts. *Soft Matter*, **2005**, 1, 231-237 3.6 24
- 169 Fluorinated Silica Gels Doped with TPAP as Effective Aerobic Oxidation Catalysts in Dense Phase Carbon Dioxide. *Advanced Synthesis and Catalysis*, **2004**, 346, 231-236 5.6 24
- 168 The Effects of Material Properties on the Activity of Sol-Gel Entrapped Perruthenate under Supercritical Conditions. *Advanced Synthesis and Catalysis*, **2003**, 345, 1261-1267 5.6 24
- 167 Vanillin: The Case for Greener Production Driven by Sustainability Megatrend. *ChemistryOpen*, **2019**, 8, 660-667 2.3 23
- 166 Reshaping the education of energy managers. *Energy Research and Social Science*, **2016**, 21, 44-48 7.7 23

165	Selective Hydrogenation of Alkenes under Ultramild Conditions. <i>Organic Process Research and Development</i> , 2012 , 16, 1230-1234	3.9	23
164	Organofluoro-silica xerogels as high-performance optical oxygen sensors. <i>Analyst, The</i> , 2009 , 134, 1531-5		23
163	Controlling the Degree of Esterification of Citrus Pectin for Demanding Applications by Selection of the Source. <i>ACS Omega</i> , 2017 , 2, 7991-7995	3.9	22
162	Solar energy for Sicily's remote islands: On the route from fossil to renewable energy. <i>International Journal of Sustainable Built Environment</i> , 2016 , 5, 132-140		22
161	Catalytic Hydrogenation of Squalene to Squalane. <i>Organic Process Research and Development</i> , 2014 , 18, 1110-1115	3.9	21
160	Sicilian Opuntia ficus-indica seed oil: Fatty acid composition and bio-economical aspects. <i>European Journal of Lipid Science and Technology</i> , 2017 , 119, 1700232	3	21
159	Alcohol-Selective Oxidation in Water under Mild Conditions via a Novel Approach to Hybrid Composite Photocatalysts. <i>ChemistryOpen</i> , 2015 , 4, 779-85	2.3	21
158	Biodegradable and Compostable Plastics: A Critical Perspective on the Dawn of their Global Adoption. <i>ChemistryOpen</i> , 2020 , 9, 8-13	2.3	20
157	Glycerol-Derived Renewable Polyglycerols: A Class of Versatile Chemicals of Wide Potential Application. <i>Organic Process Research and Development</i> , 2015 , 19, 748-754	3.9	19
156	ORMOSIL thin films: tuning mechanical properties via a nanochemistry approach. <i>Langmuir</i> , 2006 , 22, 11158-62	4	19
155	Catalysis by Sol-Gels: An Advanced Technology for Organic Chemistry. <i>Current Organic Chemistry</i> , 2004 , 8, 1851-1862	1.7	19
154	A Circular Economy Approach to Fish Oil Extraction. <i>ChemistrySelect</i> , 2019 , 4, 5106-5109	1.8	18
153	The impact of electric vehicles on the power market. <i>Energy Science and Engineering</i> , 2015 , 3, 300-309	3.4	18
152	FluoRuGel: a versatile catalyst for aerobic alcohol oxidation in supercritical carbon dioxide. <i>Organic and Biomolecular Chemistry</i> , 2006 , 4, 2637-41	3.9	18
151	Recent Uses of Sol-Gel Doped Catalysts in the Fine Chemicals and Pharmaceutical Industry. <i>Organic Process Research and Development</i> , 2006 , 10, 320-326	3.9	18
150	A Mechanistic Study on Alcohol Oxidations with Oxygen Catalysed by TPAP-Doped Ormosils in Supercritical Carbon Dioxide. <i>Advanced Synthesis and Catalysis</i> , 2005 , 347, 825-832	5.6	18
149	Superior Antibacterial Activity of Integral Lemon Pectin Extracted via Hydrodynamic Cavitation. <i>ChemistryOpen</i> , 2020 , 9, 628-630	2.3	17
148	Assessment of the minimum value of photovoltaic electricity in Italy. <i>Energy Science and Engineering</i> , 2014 , 2, 94-105	3.4	17

147	A New Water-Soluble Bactericidal Agent for the Treatment of Infections Caused by Gram-Positive and Gram-Negative Bacterial Strains. <i>Antibiotics</i> , 2020 , 9,	4.9	17
146	Opuntia ficus-indica seed oil: Biorefinery and bioeconomy aspects. <i>European Journal of Lipid Science and Technology</i> , 2017 , 119, 1700013	3	16
145	Greening heterogeneous catalysis for fine chemicals. <i>Tetrahedron Letters</i> , 2013 , 54, 1129-1132	2	16
144	Selective Debenzylation of Benzyl Protected Groups with SiliaCat Pd(0) under Mild Conditions. <i>ChemCatChem</i> , 2011 , 3, 1146-1150	5.2	16
143	Heterogeneous Catalysis for Fine Chemicals in Dense Phase Carbon Dioxide. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 221-226	5.6	16
142	Heterogeneous catalysis under flow for the 21st century fine chemical industry. <i>Green Energy and Environment</i> , 2021 , 6, 161-166	5.7	16
141	Tuning the photocatalytic activity of bismuth wolframate: towards selective oxidations for the biorefinery driven by solar-light. <i>Chemical Communications</i> , 2017 , 53, 7521-7524	5.8	15
140	Herbicides based on pelargonic acid: Herbicides of the bioeconomy. <i>Biofuels, Bioproducts and Biorefining</i> , 2019 , 13, 1476-1482	5.3	15
139	Efficient Screening and Library Generation in Parallel C-C Coupling Reactions Mediated by Organosilica SiliaCat Palladium Catalysts. <i>Organic Process Research and Development</i> , 2012 , 16, 117-122	3.9	15
138	Ecofriendly Protection from Biofouling of the Monitoring System at Pantelleria's Cala Gadir Underwater Archaeological Site, Sicily. <i>International Journal of Nautical Archaeology</i> , 2009 , 38, 417-421	0.2	15
137	Putative hepatotoxic neoclerodane diterpenoids from Teucrium species. <i>Planta Medica</i> , 1997 , 63, 483-4	3.1	15
136	Antifeedant activity of neo-clerodane diterpenoids from Teucrium fruticans and derivatives of fruticolone. <i>Phytochemistry</i> , 1999 , 52, 1055-1058	4	15
135	Pectin: A Long-Neglected Broad-Spectrum Antibacterial. <i>ChemMedChem</i> , 2020 , 15, 2228-2235	3.7	15
134	Olive Biophenols as New Antioxidant Additives in Food and Beverage. <i>ChemistrySelect</i> , 2017 , 2, 1360-1365	3.5	14
133	Industrielle Anwendungen von Goldkatalysatoren. <i>Angewandte Chemie</i> , 2016 , 128, 14420-14428	3.6	14
132	Fine chemical syntheses under flow using SiliaCat catalysts. <i>Catalysis Science and Technology</i> , 2016 , 6, 4678-4685	5.5	14
131	Xerogel Coatings Produced by the Sol-Gel Process as Anti-Fouling, Fouling-Release Surfaces: From Lab Bench to Commercial Reality. <i>ChemNanoMat</i> , 2015 , 1, 148-154	3.5	14
130	Greening the construction industry: enhancing the performance of cements by adding bioglycerol. <i>ChemSusChem</i> , 2008 , 1, 809-12	8.3	14

129	Omega-3 Extraction from Anchovy Fillet Leftovers with Limonene: Chemical, Economic, and Technical Aspects. <i>ACS Omega</i> , 2019 , 4, 15359-15363	3.9	13
128	Waste-free and efficient hydrosilylation of olefins. <i>Green Chemistry</i> , 2019 , 21, 129-140	10	13
127	Integral Extraction of Opuntia ficus-indica Peel Bioproducts via Microwave-Assisted Hydrodiffusion and Hydrodistillation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 7884-7891	8.3	13
126	Exceptional Antioxidant, Non-Cytotoxic Activity of Integral Lemon Pectin from Hydrodynamic Cavitation. <i>ChemistrySelect</i> , 2020 , 5, 5066-5071	1.8	13
125	New Antivirals and Antibacterials Based on Silver Nanoparticles. <i>ChemMedChem</i> , 2020 , 15, 1619-1623	3.7	13
124	Nanoflower-Like Bi ₂ WO ₆ Encapsulated in ORMOSIL as a Novel Photocatalytic Antifouling and Foul-Release Coating. <i>Chemistry - A European Journal</i> , 2016 , 22, 7063-7	4.8	13
123	Solar street lighting: a key technology en route to sustainability. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2017 , 6, e218	4.7	12
122	Enhanced heterogeneously catalyzed SuzukiMiyaura reaction over SiliaCat Pd(0). <i>Tetrahedron Letters</i> , 2013 , 54, 4712-4716	2	12
121	Stabilization of catalytic sol ^{gel} entrapped perruthenate. <i>Tetrahedron Letters</i> , 2008 , 49, 419-423	2	12
120	Solar Air Heating and Ventilation in Buildings: A Key Component in the Forthcoming Renewable Energy Mix. <i>Energy Technology</i> , 2017 , 5, 1165-1172	3.5	11
119	Heterogeneously Catalyzed Hydrogenation of Squalene to Squalane under Mild Conditions. <i>ChemCatChem</i> , 2015 , 7, 2071-2076	5.2	11
118	New Stable Catalytic Electrodes Functionalized with TEMPO for the Waste-Free Oxidation of Alcohol. <i>Organic Process Research and Development</i> , 2018 , 22, 1298-1305	3.9	11
117	New Catalyst Series from the Sol ^{gel} -Entrapment of Gold Nanoparticles in Organically Modified Silica Matrices: Proof of Performance in a Model Oxidation Reaction. <i>ChemCatChem</i> , 2015 , 7, 254-260	5.2	11
116	Investigation of glycerol polymerization in the clinker grinding process. <i>Green Chemistry</i> , 2011 , 13, 143-148	11	11
115	Neo-clerodane diterpenoids from three species of Teucrium. <i>Phytochemistry</i> , 1996 , 43, 435-438	4	11
114	Solar air drying for innovative Opuntia ficus-indica cladode dehydration. <i>4open</i> , 2019 , 2, 1	0.8	11
113	The remarkable impact of renewable energy generation in Sicily onto electricity price formation in Italy. <i>Energy Science and Engineering</i> , 2016 , 4, 194-204	3.4	11
112	One-Pot, Clean Synthesis of Vanillic Acid from Ferulic Acid. <i>ChemistrySelect</i> , 2016 , 1, 626-629	1.8	11

111	A bioeconomy perspective for natural sweetener Stevia. <i>Biofuels, Bioproducts and Biorefining</i> , 2019 , 13, 445-452	5.3	11
110	Organically-modified silica based microspheres for self-curing polyurethane one component foams. <i>Microporous and Mesoporous Materials</i> , 2017 , 244, 244-250	5.3	10
109	The Case for a Lemon Bioeconomy. <i>Advanced Sustainable Systems</i> , 2020 , 4, 2000006	5.9	10
108	Olive biophenol integral extraction at a two-phase olive mill. <i>Journal of Cleaner Production</i> , 2018 , 174, 1487-1491	10.3	10
107	Solar Energy and New Energy Technologies for Mediterranean Countries. <i>Global Challenges</i> , 2019 , 3, 1900016	4.3	10
106	Towards waste free organic synthesis using nanostructured hybrid silicas. <i>Nanoscale</i> , 2014 , 6, 6293-300	7.7	10
105	The sol-gel entrapment of noble metals in hybrid silicas: a molecular insight. <i>Chemistry Central Journal</i> , 2013 , 7, 161		10
104	Enhanced catalysis under flow conditions using SiliaBond functionalized silica gels. <i>Catalysis Science and Technology</i> , 2011 , 1, 1600	5.5	10
103	SiliaCat □ TEMPO: An Effective and Recyclable Oxidizing Catalyst. <i>Topics in Catalysis</i> , 2010 , 53, 1110-1113	3.3	10
102	Toward unfolding the bioeconomy of nopal (<i>Opuntia</i> spp.). <i>Biofuels, Bioproducts and Biorefining</i> , 2019 , 13, 1417-1427	5.3	9
101	Catalysis via SolGel Acid Silicas: An Important Chemical Technology for 2nd Generation Biorefineries. <i>ChemCatChem</i> , 2014 , 6, 3053-3059	5.2	9
100	Fast and Clean Borylation of Aryl Halides Under Flow Using SolGel Entrapped SiliaCat DPP-Pd. <i>Organic Process Research and Development</i> , 2014 , 18, 1556-1559	3.9	9
99	SiliaCat Diphenylphosphine Palladium(II) Catalyzed Borylation of Aryl Halides. <i>ChemCatChem</i> , 2014 , 6, n/a-n/a	5.2	9
98	Clean and fast cross-coupling of aryl halides in one-pot. <i>Beilstein Journal of Organic Chemistry</i> , 2014 , 10, 897-901	2.5	9
97	NanoMORALS □Metal nanoparticles doped with organic molecules. <i>Canadian Journal of Chemistry</i> , 2009 , 87, 673-677	0.9	9
96	Dynamic Catalysis in Aerobic Oxidation by SolGel Living Materials. <i>Advanced Functional Materials</i> , 2005 , 15, 846-850	15.6	9
95	Vitamin D3 in fish oil extracted with limonene from anchovy leftovers. <i>Chemical Data Collections</i> , 2020 , 25, 100311	2.1	9
94	Application of nanocellulose composites in the environmental engineering: A review. <i>Journal of Composites and Compounds</i> , 2021 , 3, 114-128	2	9

93	Characterization of Nanostructured SilicaCat Pd0. <i>Catalysis Letters</i> , 2012 , 142, 213-217	2.8	8
92	Solvent-Free Chemoselective Hydrogenation of Squalene to Squalane. <i>ACS Omega</i> , 2017 , 2, 3989-3996	3.9	8
91	Has the Time Come for Preprints in Chemistry?. <i>ACS Omega</i> , 2017 , 2, 7923-7928	3.9	8
90	Antifouling and Photocatalytic Antibacterial Activity of the AquaSun Coating in Seawater and Related Media. <i>ACS Omega</i> , 2017 , 2, 7568-7575	3.9	8
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