

Mario Pagliaro, Mae

List of Publications by Year in descending order

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Version: 2024-02-01

304
papers

14,582
citations

32410

55
h-index

27587

110
g-index

430
all docs

430
docs citations

430
times ranked

20273
citing authors

#	ARTICLE	IF	CITATIONS
1	Open challenges in sol-gel science and technology. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 101, 29-36.	1.1	6
2	Waste-free oxidation of alcohols at the surface of catalytic electrodes: What is required for industrial uptake?. <i>Electrochemical Science Advances</i> , 2022, 2, e2100124.	1.2	1
3	A Gluten-Free Biscuit Fortified with Lemon IntegroPectin. <i>ChemistrySelect</i> , 2022, 7, .	0.7	2
4	Pectin: New science and forthcoming applications of the most valued hydrocolloid. <i>Food Hydrocolloids</i> , 2022, 127, 107483.	5.6	46
5	Micronized cellulose from citrus processing waste using water and electricity only. <i>International Journal of Biological Macromolecules</i> , 2022, 204, 587-592.	3.6	7
6	AnchoisFert: A New Organic Fertilizer from Fish Processing Waste for Sustainable Agriculture. <i>Global Challenges</i> , 2022, 6, .	1.8	13
7	Towards AquaSun practical utilization: Strong adhesion and lack of ecotoxicity of solar-driven antifouling sol-gel coating. <i>Progress in Organic Coatings</i> , 2022, 165, 106771.	1.9	10
8	Economic and technical feasibility of AnchoisFert organic fertilizer production. <i>Current Research in Green and Sustainable Chemistry</i> , 2022, 5, 100315.	2.9	5
9	Red Orange and Bitter Orange IntegroPectin: Structure and Main Functional Compounds. <i>Molecules</i> , 2022, 27, 3243.	1.7	2
10	Cross-linked natural IntegroPectin films from citrus biowaste with intrinsic antimicrobial activity. <i>Cellulose</i> , 2022, 29, 5779-5802.	2.4	11
11	Educating the managers of the bioeconomy. <i>Journal of Cleaner Production</i> , 2022, 366, 132851.	4.6	9
12	Renewable energy in Russia: A critical perspective. <i>Energy Science and Engineering</i> , 2021, 9, 950-957.	1.9	8
13	«Catalysis: a unified approach»: a new course in catalysis science and technology. <i>Journal of Flow Chemistry</i> , 2021, 11, 53-58.	1.2	9
14	Heterogeneous catalysis under flow for the 21st century fine chemical industry. <i>Green Energy and Environment</i> , 2021, 6, 161-166.	4.7	51
15	Assessment and management of new and emerging risks for Europe's dietary supplement companies operating with botanicals. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 9-14.	1.9	1
16	Open access publishing in chemistry: a practical perspective informing new education. <i>Insights: the UKSG Journal</i> , 2021, 34, .	0.1	1
17	How self-determination of scholars outclasses shrinking public research lab budgets, supporting scientific production: a case study and R&D management implications. <i>Heliyon</i> , 2021, 7, e05998.	1.4	26
18	Aerobic oxidation and oxidative esterification of alcohols through cooperative catalysis under metal-free conditions. <i>Chemical Communications</i> , 2021, 57, 8897-8900.	2.2	7

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19	Preprints in Chemistry: An Exploratory Analysis of Differences with Journal Articles. <i>Publications</i> , 2021, 9, 5.	1.9	9
20	Purposeful Evaluation of Scholarship in the Open Science Era. <i>Challenges</i> , 2021, 12, 6.	0.9	7
21	Towards the Anchovy Biorefinery: Biogas Production from Anchovy Processing Waste after Fish Oil Extraction with Biobased Limonene. <i>Sustainability</i> , 2021, 13, 2428.	1.6	14
22	Sustainably Sourced Olive Polyphenols and Omega-3 Marine Lipids: A Synergy Fostering Public Health. <i>ACS Food Science & Technology</i> , 2021, 1, 139-145.	1.3	6
23	Silica@Microencapsulated Orange Oil for Sustainable Pest Control. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000280.	2.7	17
24	The Limonene Biorefinery: From Extractive Technologies to Its Catalytic Upgrading into p-Cymene. <i>Catalysts</i> , 2021, 11, 387.	1.6	10
25	Tannin: a new insight into a key product for the bioeconomy in forest regions. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 973-979.	1.9	9
26	New Neuroprotective Effect of Lemon IntegroPectin on Neuronal Cellular Model. <i>Antioxidants</i> , 2021, 10, 669.	2.2	22
27	Green and Quick Extraction of Stable Biophenol-Rich Red Extracts from Grape Processing Waste. <i>ACS Food Science & Technology</i> , 2021, 1, 937-942.	1.3	2
28	Omeg@Silica: Entrapment and Stabilization of Sustainably Sourced Fish Oil. <i>ChemistryOpen</i> , 2021, 10, 581-586.	0.9	4
29	Did You Ask for Citations? An Insight into Preprint Citations en route to Open Science. <i>Publications</i> , 2021, 9, 26.	1.9	4
30	Protective, Antioxidant and Antiproliferative Activity of Grapefruit IntegroPectin on SH-SY5Y Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9368.	1.8	10
31	Microbial production of hyaluronic acid: the case of an emergent technology in the bioeconomy. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 1604-1610.	1.9	9
32	Mesoporous silica particles functionalized with newly extracted fish oil (Omeg@Silica) inhibit lung cancer cell growth. <i>Nanomedicine</i> , 2021, 16, 2061-2074.	1.7	7
33	CytrCell: Valued Cellulose from Citrus Processing Waste. <i>Molecules</i> , 2021, 26, 596.	1.7	12
34	Enhanced polysaccharide nanofibers via oxidation over SiliaCat TEMPO. <i>Chemical Communications</i> , 2021, 57, 7863-7868.	2.2	2
35	«Quick, convenient, and clean»: Advancing education in green chemistry and nanocatalysis using sol-gel catalysts under flow. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100123.	2.9	2
36	Volatile Compounds of Lemon and Grapefruit IntegroPectin. <i>Molecules</i> , 2021, 26, 51.	1.7	25

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37	Flavonoids in Lemon and Grapefruit IntegroPectin**. ChemistryOpen, 2021, 10, 1055-1058.	0.9	14
38	Natural Fish Oil from Fishery Biowaste via a Circular Economy Process. , 2021, 6, .		1
39	Reaping the benefits of open science in scholarly communication. Heliyon, 2021, 7, e08638.	1.4	10
40	Metal-organic frameworks for photocatalytic CO2 reduction under visible radiation: A review of strategies and applications. Catalysis Today, 2020, 340, 209-224.	2.2	201
41	Italy's nutraceutical industry: a process and bioeconomy perspective into a key area of the global economy. Biofuels, Bioproducts and Biorefining, 2020, 14, 180-186.	1.9	9
42	Vitamin D3 in fish oil extracted with limonene from anchovy leftovers. Chemical Data Collections, 2020, 25, 100311.	1.1	16
43	A New Water-Soluble Bactericidal Agent for the Treatment of Infections Caused by Gram-Positive and Gram-Negative Bacterial Strains. Antibiotics, 2020, 9, 586.	1.5	41
44	High Yields of Shrimp Oil Rich in Omega-3 and Natural Astaxanthin from Shrimp Waste. ACS Omega, 2020, 5, 17500-17505.	1.6	15
45	New Antivirals and Antibacterials Based on Silver Nanoparticles. ChemMedChem, 2020, 15, 1619-1623.	1.6	32
46	Photocatalytic waterborne sol-gel coatings. , 2020, , 29-48.		1
47	Catalysis with Silver: From Complexes and Nanoparticles to MORALS and Single-Atom Catalysts. Catalysts, 2020, 10, 1343.	1.6	18
48	Hydrogen from sun. , 2020, , 75-89.		0
49	Hydrogen-powered boats and ships. , 2020, , 411-419.		1
50	Silanes for Building Protection: A Case Study in Systems Thinking Approach to Materials Science Education. Education Sciences, 2020, 10, 171.	1.4	3
51	Pectin: A Long-Neglected Broad-Spectrum Antibacterial. ChemMedChem, 2020, 15, 2228-2235.	1.6	53
52	Sol-Gel Nanocoatings to Functionalize Fibers and Textiles: A Critical Perspective. ChemistrySelect, 2020, 5, 9776-9780.	0.7	2
53	Technical and Economic Feasibility of a Stable Yellow Natural Colorant Production from Waste Lemon Peel. Applied Sciences (Switzerland), 2020, 10, 6812.	1.3	3
54	Exceptional Antioxidant, Non-Cytotoxic Activity of Integral Lemon Pectin from Hydrodynamic Cavitation. ChemistrySelect, 2020, 5, 5066-5071.	0.7	26

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55	Distributed Generation from Renewable Energy Sources: Ending Energy Poverty across the World. <i>Energy Technology</i> , 2020, 8, 2000126.	1.8	15
56	Superior Antibacterial Activity of Integral Lemon Pectin Extracted via Hydrodynamic Cavitation. <i>ChemistryOpen</i> , 2020, 9, 628-630.	0.9	39
57	Silicon Quantum Dots: Synthesis, Encapsulation, and Application in Light-Emitting Diodes. <i>Frontiers in Chemistry</i> , 2020, 8, 191.	1.8	59
58	Solâ€“gel catalysts for synthetic organic chemistry: milestones in 30 years of successful innovation. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 95, 551-561.	1.1	6
59	The Case for a Lemon Bioeconomy. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000006.	2.7	12
60	Oil refining in Sicily: A critical perspective looking to the future. <i>Energy Science and Engineering</i> , 2020, 8, 566-573.	1.9	2
61	Effective and Green Removal of Trichloroacetic Acid from Disinfected Water. <i>Materials</i> , 2020, 13, 827.	1.3	4
62	Biodegradable and Compostable Plastics: A Critical Perspective on the Dawn of their Global Adoption. <i>ChemistryOpen</i> , 2020, 9, 8-13.	0.9	42
63	Enhancing the use of e-mail in scientific research and in the academy. <i>Heliyon</i> , 2020, 6, e03087.	1.4	6
64	Father Verspieren and Mali Aqua Viva: Lessons Learned from Fighting Drought and Poverty with Photovoltaic Solar Energy in Africa. <i>Sustainability</i> , 2020, 12, 3136.	1.6	1
65	SilverSil: A New Class of Antibacterial Materials of Broad Scope. <i>ChemistryOpen</i> , 2020, 9, 459-463.	0.9	4
66	Making fine chemicals, nanomaterials and pharmaceutical ingredients over SiliaCat catalysts. <i>Applied Materials Today</i> , 2020, 20, 100661.	2.3	7
67	Single-atom catalysis: A practically viable technology?. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020, 25, 100358.	3.2	5
68	Publishing scientific articles in the digital era. <i>Open Science Journal</i> , 2020, 5, .	0.2	10
69	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.	1.3	103
70	A Scientometric Analysis of Catalysis Research. <i>Journal of Scientometric Research</i> , 2020, 9, 335-343.	0.3	5
71	AurOrGlass: ORMOSIL Solâ€“Gel Glasses Functionalized with Gold Nanoparticles for Advanced Optical Applications. <i>ChemistrySelect</i> , 2019, 4, 8746-8750.	0.7	1
72	An Industry in Transition: The Chemical Industry and the Megatrends Driving Its Forthcoming Transformation. <i>Angewandte Chemie</i> , 2019, 131, 11272-11277.	1.6	2

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73	Solar Energy and New Energy Technologies for Mediterranean Countries. <i>Global Challenges</i> , 2019, 3, 1900016.	1.8	14
74	Economic and Technical Feasibility of Betanin and Pectin Extraction from <i>Opuntia ficus-indica</i> Peel via Microwave-Assisted Hydrodiffusion. <i>ACS Omega</i> , 2019, 4, 12121-12124.	1.6	11
75	Introduction to Single-Atom Catalysis. , 2019, , 1-20.		7
76	The Role of Single-Atom Catalysis in Potentially Disruptive Technologies. , 2019, , 21-46.		0
77	Can Single-Atom Catalysis Be an Industrially Viable Technology?. , 2019, , 47-71.		0
78	Lithium battery reusing and recycling: A circular economy insight. <i>Heliyon</i> , 2019, 5, e01866.	1.4	207
79	Preparing for the future: Solar energy and bioeconomy in the United Arab Emirates. <i>Energy Science and Engineering</i> , 2019, 7, 1451-1457.	1.9	24
80	Herbicides based on pelargonic acid: Herbicides of the bioeconomy. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 1476-1482.	1.9	37
81	Renewable Energy Systems: Enhanced Resilience, Lower Costs. <i>Energy Technology</i> , 2019, 7, 1900791.	1.8	21
82	Omega-3 Extraction from Anchovy Fillet Leftovers with Limonene: Chemical, Economic, and Technical Aspects. <i>ACS Omega</i> , 2019, 4, 15359-15363.	1.6	24
83	Real-Scale Integral Valorization of Waste Orange Peel via Hydrodynamic Cavitation. <i>Processes</i> , 2019, 7, 581.	1.3	68
84	Waste-free and efficient hydrosilylation of olefins. <i>Green Chemistry</i> , 2019, 21, 129-140.	4.6	24
85	Meet the Board of <i>ChemistryOpen</i> : Mario Pagliaro. <i>ChemistryOpen</i> , 2019, 8, 126-126.	0.9	0
86	The driving power of the electron. <i>JPhys Energy</i> , 2019, 1, 011001.	2.3	23
87	Vanillin: The Case for Greener Production Driven by Sustainability Megatrend. <i>ChemistryOpen</i> , 2019, 8, 660-667.	0.9	37
88	Toward unfolding the bioeconomy of nopal (<i>Opuntia</i> spp.). <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 1417-1427.	1.9	18
89	An Industry in Transition: The Chemical Industry and the Megatrends Driving Its Forthcoming Transformation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11154-11159.	7.2	47
90	Digital Management of Solar Energy En Route to Energy Self-Sufficiency. <i>Global Challenges</i> , 2019, 3, 1800105.	1.8	14

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91	A Circular Economy Approach to Fish Oil Extraction. <i>ChemistrySelect</i> , 2019, 4, 5106-5109.	0.7	31
92	Look Better: Single Atoms in Chemistry and Single Atoms in Physics. <i>ChemPhysChem</i> , 2019, 20, 1553-1558.	1.0	0
93	Did You Send It?. <i>ACS Central Science</i> , 2019, 5, 737-738.	5.3	1
94	Solar Green Roofs: A Unified Outlook 20 Years On. <i>Energy Technology</i> , 2019, 7, 1900128.	1.8	5
95	Integral Extraction of <i>Opuntia ficus-indica</i> Peel Bioproducts via Microwave-Assisted Hydrodiffusion and Hydrodistillation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7884-7891.	3.2	21
96	Chemistry Education Fostering Creativity in the Digital Era. <i>Israel Journal of Chemistry</i> , 2019, 59, 565-571.	1.0	27
97	Electric Bus: A Critical Overview on the Dawn of Its Widespread Uptake. <i>Advanced Sustainable Systems</i> , 2019, 3, 1800151.	2.7	35
98	Solar air drying for innovative <i>Opuntia ficus-indica</i> cladode dehydration. <i>4open</i> , 2019, 2, 1.	0.1	12
99	Beer produced via hydrodynamic cavitation retains higher amounts of xanthohumol and other hops prenylflavonoids. <i>LWT - Food Science and Technology</i> , 2018, 91, 160-167.	2.5	38
100	Sol-gel Entrapped Nitroxyl Radicals: Catalysts of Broad Scope. <i>ChemCatChem</i> , 2018, 10, 1731-1738.	1.8	8
101	Betanin: A Bioeconomy Insight into a Valued Betacyanin. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2860-2865.	3.2	33
102	Photocatalytic partial oxidation of limonene to 1,2 limonene oxide. <i>Chemical Communications</i> , 2018, 54, 1008-1011.	2.2	35
103	Polymers of Limonene Oxide and Carbon Dioxide: Polycarbonates of the Solar Economy. <i>ACS Omega</i> , 2018, 3, 4884-4890.	1.6	78
104	Dihydroxyacetone: An Updated Insight into an Important Bioproduct. <i>ChemistryOpen</i> , 2018, 7, 233-236.	0.9	47
105	Expanding the Distributed Generation Concept: Toward Decentralized Energy and Water Supply. <i>Global Challenges</i> , 2018, 2, 1800006.	1.8	3
106	Hydrogenolysis of C=O Chemical Bonds of Broad Scope Mediated by a New Spherical Sol-gel Catalyst. <i>ChemistryOpen</i> , 2018, 7, 80-91.	0.9	8
107	Innovative beer-brewing of typical, old and healthy wheat varieties to boost their spreading. <i>Journal of Cleaner Production</i> , 2018, 171, 297-311.	4.6	37
108	Olive biophenol integral extraction at a two-phase olive mill. <i>Journal of Cleaner Production</i> , 2018, 174, 1487-1491.	4.6	13

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109	New Energy and Weather Services in the Context of the Energy Transition. <i>Energy Technology</i> , 2018, 6, 134-139.	1.8	6
110	Solar Landfills: Economic, Environmental, and Social Benefits. <i>Energy Technology</i> , 2018, 6, 597-604.	1.8	3
111	Comparing the Pyrophoricity of Palladium Catalysts for Heterogeneous Hydrogenation. <i>Organic Process Research and Development</i> , 2018, 22, 1852-1855.	1.3	8
112	Green and Direct Synthesis of Benzaldehyde and Benzyl Benzoate in One Pot. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15441-15446.	3.2	14
113	Fragrant bioethanol: A valued bioproduct from orange juice and essential oil extraction. <i>Sustainable Chemistry and Pharmacy</i> , 2018, 9, 42-45.	1.6	5
114	Integrating Solar Energy in Rome's Built Environment: A Perspective for Distributed Generation on Global Scale. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800022.	2.7	4
115	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.	1.3	16
116	Solar street lighting: a key technology en route to sustainability. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2017, 6, e218.	1.9	22
117	Towards the Broad Utilization of Gold Nanoparticles Entrapped in Organosilica. <i>ChemCatChem</i> , 2017, 9, 1322-1328.	1.8	4
118	Organically-modified silica based microspheres for self-curing polyurethane one component foams. <i>Microporous and Mesoporous Materials</i> , 2017, 244, 244-250.	2.2	10
119	Solar Air Heating and Ventilation in Buildings: A Key Component in the Forthcoming Renewable Energy Mix. <i>Energy Technology</i> , 2017, 5, 1165-1172.	1.8	15
120	Electrochemical Alcohol Oxidation Mediated by TEMPO-like Nitroxyl Radicals. <i>ChemistryOpen</i> , 2017, 6, 5-10.	0.9	52
121	C18 alkyl-modified silica: A suitable tool for olive biophenol green extraction. <i>Chemical Data Collections</i> , 2017, 7-8, 102-106.	1.1	2
122	Opuntia ficus-indica seed oil: Biorefinery and bioeconomy aspects. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1700013.	1.0	20
123	Enhancing and improving the extraction of omega-3 from fish oil. <i>Sustainable Chemistry and Pharmacy</i> , 2017, 5, 54-59.	1.6	55
124	Olive Biophenols as New Antioxidant Additives in Food and Beverage. <i>ChemistrySelect</i> , 2017, 2, 1360-1365.	0.7	21
125	Gluten reduction in beer by hydrodynamic cavitation assisted brewing of barley malts. <i>LWT - Food Science and Technology</i> , 2017, 82, 342-353.	2.5	34
126	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.	3.2	36

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127	Inorganic semiconductors-graphene composites in photo(electro)catalysis: Synthetic strategies, interaction mechanisms and applications. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2017, 33, 132-164.	5.6	54
128	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.	2.2	19
129	Citric acid: emerging applications of key biotechnology industrial product. <i>Chemistry Central Journal</i> , 2017, 11, 22.	2.6	165
130	Que faire? A Bioeconomy and Solar Energy Institute at Italy's Research Council in the Context of the Global Transition to the Solar Economy. <i>Chemistry - A European Journal</i> , 2017, 23, 15276-15282.	1.7	14
131	Lemon Essential Oil of Variable Composition by Changing the Conditions of the Extraction from Lemon Peel via Microwave Hydrodiffusion and Gravity. <i>ChemistrySelect</i> , 2017, 2, 7123-7127.	0.7	7
132	Solvent-Free Chemoselective Hydrogenation of Squalene to Squalane. <i>ACS Omega</i> , 2017, 2, 3989-3996.	1.6	13
133	Sicilian <i>Opuntia ficus-indica</i> seed oil: Fatty acid composition and bioeconomical aspects. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1700232.	1.0	23
134	Controlling the Degree of Esterification of Citrus Pectin for Demanding Applications by Selection of the Source. <i>ACS Omega</i> , 2017, 2, 7991-7995.	1.6	40
135	Has the Time Come for Preprints in Chemistry?. <i>ACS Omega</i> , 2017, 2, 7923-7928.	1.6	17
136	Antifouling and Photocatalytic Antibacterial Activity of the AquaSun Coating in Seawater and Related Media. <i>ACS Omega</i> , 2017, 2, 7568-7575.	1.6	15
137	Wastewater remediation via controlled hydrocavitation. <i>Environmental Reviews</i> , 2017, 25, 175-183.	2.1	31
138	Beer-brewing powered by controlled hydrodynamic cavitation: Theory and real-scale experiments. <i>Journal of Cleaner Production</i> , 2017, 142, 1457-1470.	4.6	65
139	Properties, Applications, History, and Market. , 2017, , 1-21.		7
140	C3-Monomers. , 2017, , 23-57.		6
141	Esters, Ethers, Polyglycerols, and Polyesters. , 2017, , 59-90.		4
142	Glycerol. , 2017, , 109-132.		24
143	Antifreeze and Multipurpose Cement Aid. , 2017, , 91-107.		2
144	Orange Oil. , 2017, , 291-302.		6

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145	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, 7063-7067.	1.7	21
146	Quick assessment of the economic value of olive mill waste water. <i>Chemistry Central Journal</i> , 2016, 10, 63.	2.6	13
147	Sol-gel encapsulation of Au nanoparticles in hybrid silica improves gold oxidation catalysis. <i>Chemistry Central Journal</i> , 2016, 10, 61.	2.6	6
148	Rethinking solar energy education on the dawn of the solar economy. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 63, 13-18.	8.2	63
149	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.	3.2	34
150	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.	1.9	16
151	Industrial Feasibility of Natural Products Extraction with Microwave Technology. <i>ChemistrySelect</i> , 2016, 1, 549-555.	0.7	43
152	One-Pot, Clean Synthesis of Vanillic Acid from Ferulic Acid. <i>ChemistrySelect</i> , 2016, 1, 626-629.	0.7	16
153	Reshaping the education of energy managers. <i>Energy Research and Social Science</i> , 2016, 21, 44-48.	3.0	26
154	Industrielle Anwendungen von Goldkatalysatoren. <i>Angewandte Chemie</i> , 2016, 128, 14420-14428.	1.6	17
155	Industrial Applications of Gold Catalysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14210-14217.	7.2	161
156	Hydrogen Peroxide: A Key Chemical for Today's Sustainable Development. <i>ChemSusChem</i> , 2016, 9, 3374-3381.	3.6	343
157	Extraction, benefits and valorization of olive polyphenols. <i>European Journal of Lipid Science and Technology</i> , 2016, 118, 503-511.	1.0	74
158	Lycopene: Emerging Production Methods and Applications of a Valued Carotenoid. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 643-650.	3.2	61
159	Origin of Enhancing the Photocatalytic Performance of TiO ₂ for Artificial Photoreduction of CO ₂ through a SiO ₂ Coating Strategy. <i>Journal of Physical Chemistry C</i> , 2016, 120, 265-273.	1.5	76
160	Fine chemical syntheses under flow using SiliaCat catalysts. <i>Catalysis Science and Technology</i> , 2016, 6, 4678-4685.	2.1	15
161	Layer-by-layer assembly of versatile nanoarchitectures with diverse dimensionality: a new perspective for rational construction of multilayer assemblies. <i>Chemical Society Reviews</i> , 2016, 45, 3088-3121.	18.7	294
162	Eco-Friendly Extraction of Pectin and Essential Oils from Orange and Lemon Peels. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2243-2251.	3.2	98

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163	Toward the Waste-Free Synthesis of Fine Chemicals with Visible Light. <i>Organic Process Research and Development</i> , 2016, 20, 403-408.	1.3	49
164	Guidelines for Integrating Solar Energy in Sicily's Buildings. <i>Green</i> , 2015, 5, 73-82.	0.4	6
165	The impact of electric vehicles on the power market. <i>Energy Science and Engineering</i> , 2015, 3, 300-309.	1.9	19
166	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.	1.9	64
167	Alcohol-Selective Oxidation in Water under Mild Conditions via a Novel Approach to Hybrid Composite Photocatalysts. <i>ChemistryOpen</i> , 2015, 4, 779-785.	0.9	24
168	Advancing Nanochemistry Education. <i>Chemistry - A European Journal</i> , 2015, 21, 11931-11936.	1.7	10
169	Solid Curing Agents for Polyurethane Foams: Proof of Concept of the Release Mechanism. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 674-678.	1.7	3
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