

Evelina Colacino

List of Publications by Year in Descending Order

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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.

84
papers

2,384
citations

27
h-index

45
g-index

108
ext. papers

2,835
ext. citations

6.1
avg. IF

5.3
L-index

#	Paper	IF	Citations
84	Mechanochemistry Can Reduce Life Cycle Environmental Impacts of Manufacturing Active Pharmaceutical Ingredients. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 1430-1439	8.3	5
83	Upscaling Mechanochemistry: Challenges and Opportunities for Sustainable Industry. <i>Trends in Chemistry</i> , 2021 , 3, 335-339	14.8	14
82	Mechanochemical Rearrangements. <i>Journal of Organic Chemistry</i> , 2021 , 86, 13885-13894	4.2	15
81	Mechanochemical synthesis of mononuclear gold(I) halide complexes of diphosphine ligands with tuneable luminescent properties. <i>Dalton Transactions</i> , 2021 , 50, 13337-13344	4.3	
80	From solution-based nonconventional activation methods to mechanochemical procedures: The hydantoin case 2021 , 421-452		
79	The Mechanochemical Beckmann Rearrangement: An Eco-efficient "Cut-and-Paste" Strategy to Design the "Good Old Amide Bond" <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 2100-2114	8.3	15
78	Advances in Mechanochemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 10662-10663	8.3	2
77	Mechanochemical N-Chlorination Reaction of Hydantoin: In Situ Real-Time Kinetic Study by Powder X-ray Diffraction and Raman Spectroscopy. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 12591-12601	8.3	2
76	Kabachnik-Fields Reaction by Mechanochemistry: New Horizons from Old Methods. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 18889-18902	8.3	8
75	1 Mechanochemistry: an overview and a historical account 2020 , 1-8		0
74	Mechanochemical Preparation of Active Pharmaceutical Ingredients Monitored by Raman Spectroscopy. <i>ACS Omega</i> , 2020 , 5, 28663-28672	3.9	16
73	Metal-Mediated and Metal-Catalyzed Reactions Under Mechanochemical Conditions. <i>ACS Catalysis</i> , 2020 , 10, 8344-8394	13.1	77
72	Kinetics of mechanochemical transformations. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 14489-14502	9.6	16
71	European Research in Focus: Mechanochemistry for Sustainable Industry (COST Action MechSustInd). <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 8-9	3.2	24
70	Solvent-Free, Continuous Synthesis of Hydrazone-Based Active Pharmaceutical Ingredients by Twin-Screw Extrusion. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12230-12238	8.3	27
69	From Lossen Transposition to Solventless Medicinal Mechanochemistry <i>ACS Sustainable Chemistry and Engineering</i> , 2019 ,	8.3	10
68	Deoxydehydration of glycerol in presence of rhenium compounds: reactivity and mechanistic aspects. <i>Catalysis Science and Technology</i> , 2019 , 9, 3036-3046	5.5	12

67	From enabling technologies to medicinal mechanochemistry: an eco-friendly access to hydantoin-based active pharmaceutical ingredients. <i>Reaction Chemistry and Engineering</i> , 2019 , 4, 1179-1188	4.9	47
66	Introducing Students to Mechanochemistry via Environmentally Friendly Organic Synthesis Using a Solvent-Free Mechanochemical Preparation of the Antidiabetic Drug Tolbutamide. <i>Journal of Chemical Education</i> , 2019 , 96, 766-771	2.4	34
65	Microwave-Assisted Reductive Amination with Aqueous Ammonia: Sustainable Pathway Using Recyclable Magnetic Nickel-Based Nanocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 5963-5974	8.3	21
64	Metal-free mechanochemical oxidations in Ertalyte jars. <i>Beilstein Journal of Organic Chemistry</i> , 2019 , 15, 1786-1794	2.5	11
63	CHAPTER 9: New and Up-and-coming Perspectives for Unconventional Chemistry: From Molecular Synthesis to Hybrid Materials by Mechanochemistry. <i>RSC Green Chemistry</i> , 2019 , 192-215	0.9	1
62	Mechanochemistry for H_2O solvent, no base preparation of hydantoin-based active pharmaceutical ingredients: nitrofurantoin and dantrolene. <i>Green Chemistry</i> , 2018 , 20, 2973-2977	10	49
61	Ball-milling and cheap reagents breathe green life into the one hundred-year-old Hofmann reaction. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 531-538	5.2	9
60	High throughput mechanochemistry: application to parallel synthesis of benzoxazines. <i>Chemical Communications</i> , 2018 , 54, 551-554	5.8	20
59	From Molecules to Silicon-Based Biohybrid Materials by Ball Milling. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 511-518	8.3	14
58	Processing and Investigation Methods in Mechanochemical Kinetics. <i>ACS Omega</i> , 2018 , 3, 9196-9209	3.9	45
57	N-Acyl Benzotriazole Derivatives for the Synthesis of Dipeptides and Tripeptides and Peptide Biotinylation by Mechanochemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 2936-2941	8.3	29
56	Continuous flow ring-closing metathesis, an environmentally-friendly route to 2,5-dihydro-1H-pyrrole-3-carboxylates. <i>Green Chemistry</i> , 2017 , 19, 1647-1652	10	19
55	Recent Advances in the Synthesis of Hydantoins: The State of the Art of a Valuable Scaffold. <i>Chemical Reviews</i> , 2017 , 117, 13757-13809	68.1	94
54	Sonochemistry in non-conventional, green solvents or solvent-free reactions. <i>Tetrahedron</i> , 2017 , 73, 609-653	2.4	84
53	Mechanically induced oxidation of alcohols to aldehydes and ketones in ambient air: Revisiting TEMPO-assisted oxidations. <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 2049-2055	2.5	20
52	Influence of the milling parameters on the nucleophilic substitution reaction of activated Eyclodextrins. <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 1893-1899	2.5	9
51	Poly(ethylene glycol)s as grinding additives in the mechanochemical preparation of highly functionalized 3,5-disubstituted hydantoins. <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 19-25	2.5	21
50	A Ruthenium Complex-Catalyzed Cyclotrimerization of Halodiyenes with Nitriles. Synthesis of 2- and 3-Halopyridines. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 1916-1923	5.6	24

- 49 Microwave-promoted N-arylation of imidazole and amino acids in the presence of Cu₂O and CuO in poly(ethylene glycol). *Russian Chemical Bulletin*, **2016**, 65, 1243-1248 1.7 2
- 48 Poly(ethylene) glycols and mechanochemistry for the preparation of bioactive 3,5-disubstituted hydantoins. *RSC Advances*, **2016**, 6, 36978-36986 3.7 52
- 47 Novel 1H-Pyrrolo[3,2-c]quinoline Based 5-HT₆ Receptor Antagonists with Potential Application for the Treatment of Cognitive Disorders Associated with Alzheimer's Disease. *ACS Chemical Neuroscience*, **2016**, 7, 972-83 5.7 42
- 46 Mechanochemical Preparation of 3,5-Disubstituted Hydantoins from Dipeptides and Unsymmetrical Ureas of Amino Acid Derivatives. *Journal of Organic Chemistry*, **2016**, 81, 9802-9809 4.2 23
- 45 Application of the ring-closing metathesis to the formation of 2-aryl-1H-pyrrole-3-carboxylates as building blocks for biologically active compounds. *Tetrahedron*, **2016**, 72, 7462-7469 2.4 10
- 44 Mechanochemical 1,1'-Carbonyldiimidazole-Mediated Synthesis of Carbamates. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 2882-2889 8.3 42
- 43 Copper-Containing Rod-Shaped Nanosized Silica Particles for Microwave-Assisted Synthesis of Triazoles in Aqueous Solution. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 2516-2525 8.3 15
- 42 Microwave-ultrasound simultaneous irradiation: a hybrid technology applied to ring closing metathesis. *RSC Advances*, **2015**, 5, 16878-16885 3.7 14
- 41 Ultrasounds in melted poly(ethylene glycol) promote copper-catalyzed cyanation of aryl halides with K(4)[Fe(CN)(6)]. *ChemSusChem*, **2014**, 7, 919-24 8.3 13
- 40 Micelles into Glycerol Solvent: Overcoming Side Reactions of Glycerol. *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 1353-1358 8.3 17
- 39 Solventless mechanosynthesis of N-protected amino esters. *Journal of Organic Chemistry*, **2014**, 79, 4008-4017 8.17 27
- 38 Synthesis of novel multi-cationic PEG-based ionic liquids. *New Journal of Chemistry*, **2014**, 38, 6133-6138 3.6 6
- 37 Mechanochemical preparation of hydantoins from amino esters: application to the synthesis of the antiepileptic drug phenytoin. *Journal of Organic Chemistry*, **2014**, 79, 10132-42 4.2 79
- 36 Poly(ethylene glycol)-based ionic liquids: properties and uses as alternative solvents in organic synthesis and catalysis. *ChemSusChem*, **2014**, 7, 45-65 8.3 43
- 35 Synthesis of pyrrolin-4-ones by Pt-catalyzed cycloisomerization in PEG under microwaves. *Journal of Organic Chemistry*, **2013**, 78, 2698-702 4.2 24
- 34 Poly(ethylene glycol) as a reaction matrix in platinum- or gold-catalyzed cycloisomerization: a mechanistic investigation. *Chemistry - A European Journal*, **2013**, 19, 3817-21 4.8 16
- 33 Palladium N-Heterocyclic Carbene Catalysts for the Ultrasound-Promoted Suzuki-Miyaura Reaction in Glycerol. *Advanced Synthesis and Catalysis*, **2013**, 355, 1107-1116 5.6 33
- 32 Solventless Synthesis of N-Protected Amino Acids in a Ball Mill. *ACS Sustainable Chemistry and Engineering*, **2013**, 1, 1186-1191 8.3 39

31	Ring-closing metathesis in aqueous micellar medium. <i>Chemistry - A European Journal</i> , 2012 , 18, 760-4	4.8	17
30	PEG as an alternative reaction medium in metal-mediated transformations. <i>Coordination Chemistry Reviews</i> , 2012 , 256, 2893-2920	23.2	86
29	Comprehensive study on olefin metathesis in PEG as an alternative solvent under microwave irradiation. <i>Journal of Catalysis</i> , 2012 , 294, 113-118	7.3	35
28	Preparation of enantioenriched iodinated pyrrolinones by iodocyclization of α -amino- γ -keto esters. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 9085-9	3.9	16
27	Unprecedented directed oxidative cross-coupling of sulfahydantoins with aldehydes via a radical sulfonate-sulfinate conversion. <i>New Journal of Chemistry</i> , 2012 , 36, 1560	3.6	2
26	Alternative Energy Input for Transfer Hydrogenation using Iridium NHC Based Catalysts in Glycerol as Hydrogen Donor and Solvent. <i>Organometallics</i> , 2012 , 31, 3911-3919	3.8	80
25	Poly(ethylene glycol) as reaction medium for mild Mizoroki-Heck reaction in a ball-mill. <i>Chemical Communications</i> , 2012 , 48, 11778-80	5.8	79
24	The Negishi Cross-Coupling in the Synthesis of Natural Products and Bioactive Molecules 2012 , 33-75		3
23	Electrophilic Iodo-Mediated Cyclization in PEG under Microwave Irradiation: Easy Access to Highly Functionalized Furans and Pyrroles. <i>Synlett</i> , 2012 , 23, 1481-1484	2.2	12
22	Ring-closing metathesis in glycerol under microwave activation. <i>Tetrahedron Letters</i> , 2010 , 51, 3935-3937		44
21	Synthesis of a new hydrophilic poly(ethylene glycol)-ionic liquid and its application in peptide synthesis. <i>Chemical Communications</i> , 2010 , 46, 8842-4	5.8	17
20	PEG ₃₄₀₀ -Cu ₂ O ₂ S ₂ CO ₃ : an efficient and recyclable microwave-enhanced catalytic system for ligand-free Ullmann arylation of indole and benzimidazole. <i>Tetrahedron</i> , 2010 , 66, 3730-3735	2.4	51
19	DD-ligases as a potential target for antibiotics: past, present and future. <i>Current Medicinal Chemistry</i> , 2009 , 16, 2566-80	4.3	22
18	Synthesis of Novel Pyrrolo-[3,2-c]quinolines via Iron-Catalyzed Cross-Coupling Reaction of Grignard Reagents. <i>Synthetic Communications</i> , 2009 , 39, 1583-1591	1.7	13
17	Structure-Based Design of Benzoxazoles as new Inhibitors for D-Alanyl D-Alanine Ligase. <i>QSAR and Combinatorial Science</i> , 2009 , 28, 1394-1404		9
16	Activated sulfahydantoin as Boc-glycine enolate equivalent: highly diastereoselective hydroxyalkylation and application to the synthesis of aldopentose analogues. <i>Tetrahedron Letters</i> , 2009 , 50, 1100-1104	2	9
15	Synthesis of a novel pyrrolo-[3,2-c]quinoline N-oxide by aza-Baylis-Hillman adduct of o-nitrobenzaldehyde. <i>Tetrahedron Letters</i> , 2008 , 49, 4953-4955	2	17
14	Solvent-free synthesis of nitrones in a ball-mill. <i>Tetrahedron</i> , 2008 , 64, 5569-5576	2.4	75

13	Microwave-assisted multi-step synthesis of novel pyrrolo-[3,2-c]quinoline derivatives. <i>Tetrahedron</i> , 2008 , 64, 5949-5955	2.4	40
12	Microwave-assisted solid-phase synthesis of hydantoin derivatives. <i>Tetrahedron Letters</i> , 2007 , 48, 5317-5320		38
11	Preparation of NHC Ruthenium complexes and their catalytic activity in metathesis reaction. <i>Coordination Chemistry Reviews</i> , 2007 , 251, 726-764	23.2	183
10	Microwave-Assisted Copper-Catalyzed Sonogashira Reaction in PEG Solvent. <i>Synlett</i> , 2007 , 2007, 1279-1283	2.3	5
9	2(3H)-benzoxazolone and bioisosters as "privileged scaffold" in the design of pharmacological probes. <i>Current Medicinal Chemistry</i> , 2005 , 12, 877-85	4.3	156
8	WILLGERODT-KINDLER'S MICROWAVE-ENHANCED SYNTHESIS OF THIOAMIDE DERIVATIVES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2004 , 179, 1959-1973	1	19
7	Reactivity models of 1-N-vinyluracil and synthesis of a new class of potential antiviral agents by the use of 1,3-dipolar cycloaddition reactions. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003 , 22, 743-5	1.4	2
6	Synthesis and biological evaluation of some 5-nitro- and 5-amino derivatives of 2'-deoxycytidine, 2',3'-dideoxyuridine, and 2',3'-dideoxycytidine. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003 , 22, 2013-26	1.4	6
5	Structural characterization of isoxazolidinyl nucleosides by fast atom bombardment tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2001 , 36, 1220-5	2.2	5
4	Simple and efficient routes for the preparation of isoxazolidinyl nucleosides containing cytosine and 5-methyl-cytosine as new potential anti-HIV drugs. <i>Tetrahedron</i> , 2001 , 57, 8551-8557	2.4	25
3	Synthesis of isoxazolidino analogues of 2',3'-dideoxynucleosides. <i>Nucleosides & Nucleotides</i> , 1999 , 18, 581-3		9
2	CHAPTER 6:Amino Acids and Peptides in Ball Milling. <i>RSC Green Chemistry</i> , 114-150	0.9	9
1	Assessing the Greenness of Mechanochemical Processes with the DOZN 2.0 Tool. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	3