

Evelina Colacino

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.

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	Preparation of NHCruthenium complexes and their catalytic activity in metathesis reaction. <i>Coordination Chemistry Reviews</i> , 2007 , 251, 726-764	23.2	183
83	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
82	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
81	PEG as an alternative reaction medium in metal-mediated transformations. <i>Coordination Chemistry Reviews</i> , 2012 , 256, 2893-2920	23.2	86
80	Sonochemistry in non-conventional, green solvents or solvent-free reactions. <i>Tetrahedron</i> , 2017 , 73, 609-653	2.4	84
79	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
78	Mechanochemical preparation of hydantoins from amino esters: application to the synthesis of the antiepileptic drug phenytoin. <i>Journal of Organic Chemistry</i> , 2014 , 79, 10132-42	4.2	79
77	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
76	Metal-Mediated and Metal-Catalyzed Reactions Under Mechanochemical Conditions. <i>ACS Catalysis</i> , 2020 , 10, 8344-8394	13.1	77
75	Solvent-free synthesis of nitrones in a ball-mill. <i>Tetrahedron</i> , 2008 , 64, 5569-5576	2.4	75
74	Poly(ethylene) glycols and mechanochemistry for the preparation of bioactive 3,5-disubstituted hydantoins. <i>RSC Advances</i> , 2016 , 6, 36978-36986	3.7	52
73	PEG3400Cu2O/Cs2CO3: 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
72	Mechanochemistry for β o solvent, no base preparation of hydantoin-based active pharmaceutical ingredients: nitrofurantoin and dantrolene. <i>Green Chemistry</i> , 2018 , 20, 2973-2977	10	49
71	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	14.8	47
70	Processing and Investigation Methods in Mechanochemical Kinetics. <i>ACS Omega</i> , 2018 , 3, 9196-9209	3.9	45
69	Ring-closing metathesis in glycerol under microwave activation. <i>Tetrahedron Letters</i> , 2010 , 51, 3935-3937	3.7	44
68	Poly(ethylene glycol)-based ionic liquids: properties and uses as alternative solvents in organic synthesis and catalysis. <i>ChemSusChem</i> , 2014 , 7, 45-65	8.3	43

67	Mechanochemical 1,1?-Carbonyldiimidazole-Mediated Synthesis of Carbamates. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 2882-2889	8.3	42
66	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. <i>ACS Chemical Neuroscience</i> , 2016 , 7, 972-83	5.7	42
65	Microwave-assisted multi-step synthesis of novel pyrrolo-[3,2-c]quinoline derivatives. <i>Tetrahedron</i> , 2008 , 64, 5949-5955	2.4	40
64	Solventless Synthesis of N-Protected Amino Acids in a Ball Mill. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 1186-1191	8.3	39
63	Microwave-assisted solid-phase synthesis of hydantoin derivatives. <i>Tetrahedron Letters</i> , 2007 , 48, 5317-5320	5.2	38
62	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
61	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
60	Palladium N-Heterocyclic Carbene Catalysts for the Ultrasound-Promoted Suzuki-Miyaura Reaction in Glycerol. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, 1107-1116	5.6	33
59	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
58	Solventless mechanosynthesis of N-protected amino esters. <i>Journal of Organic Chemistry</i> , 2014 , 79, 4008-4017	4.1	27
57	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
56	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
55	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
54	A Ruthenium Complex-Catalyzed Cyclotrimerization of Halodiyne with Nitriles. Synthesis of 2- and 3-Halopyridines. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 1916-1923	5.6	24
53	Synthesis of pyrrolin-4-ones by Pt-catalyzed cycloisomerization in PEG under microwaves. <i>Journal of Organic Chemistry</i> , 2013 , 78, 2698-702	4.2	24
52	Mechanochemical Preparation of 3,5-Disubstituted Hydantoins from Dipeptides and Unsymmetrical Ureas of Amino Acid Derivatives. <i>Journal of Organic Chemistry</i> , 2016 , 81, 9802-9809	4.2	23
51	DD-ligases as a potential target for antibiotics: past, present and future. <i>Current Medicinal Chemistry</i> , 2009 , 16, 2566-80	4.3	22
50	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

49	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
48	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
47	High throughput mechanochemistry: application to parallel synthesis of benzoxazines. <i>Chemical Communications</i> , 2018 , 54, 551-554	5.8	20
46	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
45	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
44	Micelles into Glycerol Solvent: Overcoming Side Reactions of Glycerol. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 1353-1358	8.3	17
43	Ring-closing metathesis in aqueous micellar medium. <i>Chemistry - A European Journal</i> , 2012 , 18, 760-4	4.8	17
42	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
41	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
40	Mechanochemical Preparation of Active Pharmaceutical Ingredients Monitored by Raman Spectroscopy. <i>ACS Omega</i> , 2020 , 5, 28663-28672	3.9	16
39	Kinetics of mechanochemical transformations. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 14489-14502	9.26	16
38	Poly(ethylene glycol) as a reaction matrix in platinum- or gold-catalyzed cycloisomerization: a mechanistic investigation. <i>Chemistry - A European Journal</i> , 2013 , 19, 3817-21	4.8	16
37	Preparation of enantioenriched iodinated pyrrolinones by iodocyclization of α -amino- γ -ones. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 9085-9	3.9	16
36	Copper-Containing Rod-Shaped Nanosized Silica Particles for Microwave-Assisted Synthesis of Triazoles in Aqueous Solution. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 2516-2525	8.3	15
35	Mechanochemical Rearrangements. <i>Journal of Organic Chemistry</i> , 2021 , 86, 13885-13894	4.2	15
34	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
33	Microwave-ultrasound simultaneous irradiation: a hybrid technology applied to ring closing metathesis. <i>RSC Advances</i> , 2015 , 5, 16878-16885	3.7	14
32	Upscaling Mechanochemistry: Challenges and Opportunities for Sustainable Industry. <i>Trends in Chemistry</i> , 2021 , 3, 335-339	14.8	14

31	From Molecules to Silicon-Based Biohybrid Materials by Ball Milling. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 511-518	8.3	14
30	Ultrasounds in melted poly(ethylene glycol) promote copper-catalyzed cyanation of aryl halides with K(4)[Fe(CN)(6)]. <i>ChemSusChem</i> , 2014 , 7, 919-24	8.3	13
29	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
28	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
27	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
26	Metal-free mechanochemical oxidations in Ertalyte jars. <i>Beilstein Journal of Organic Chemistry</i> , 2019 , 15, 1786-1794	2.5	11
25	From Lossen Transposition to Solventless Medicinal Mechanochemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 ,	8.3	10
24	Application of the ring-closing metathesis to the formation of 2-aryl-1H-pyrrole-3-carboxylates as building blocks for biologically active compounds. <i>Tetrahedron</i> , 2016 , 72, 7462-7469	2.4	10
23	Influence of the milling parameters on the nucleophilic substitution reaction of activated Cyclodextrins. <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 1893-1899	2.5	9
22	CHAPTER 6:Amino Acids and Peptides in Ball Milling. <i>RSC Green Chemistry</i> ,114-150	0.9	9
21	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
20	Activated sulfahydantoin as Boc-glycine enolate equivalent: highly diastereoselective Hydroxyalkylation and application to the synthesis of aldopentionate analogues. <i>Tetrahedron Letters</i> , 2009 , 50, 1100-1104	2	9
19	Synthesis of isoxazolidino analogues of 2',3'-dideoxynucleosides. <i>Nucleosides & Nucleotides</i> , 1999 , 18, 581-3		9
18	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
17	KabachnikFields Reaction by Mechanochemistry: New Horizons from Old Methods. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 18889-18902	8.3	8
16	Synthesis of novel multi-cationic PEG-based ionic liquids. <i>New Journal of Chemistry</i> , 2014 , 38, 6133-6138	3.6	6
15	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, 1213-1216	1.4	6
14	Microwave-Assisted Copper-Catalyzed Sonogashira Reaction in PEG Solvent. <i>Synlett</i> , 2007 , 2007, 1279-1283	2.8	5

13	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
12	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
11	The Negishi Cross-Coupling in the Synthesis of Natural Products and Bioactive Molecules 2012 , 33-75		3
10	Assessing the Greenness of Mechanochemical Processes with the DOZN 2.0 Tool. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	3
9	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
8	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
7	Microwave-promoted N-arylation of imidazole and amino acids in the presence of Cu ₂ O and CuO in poly(ethylene glycol). <i>Russian Chemical Bulletin</i> , 2016 , 65, 1243-1248	1.7	2
6	Advances in Mechanochemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 10662-10663	8.3	2
5	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
4	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
3	1 Mechanochemistry: an overview and a historical account 2020 , 1-8		0
2	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	
1	From solution-based nonconventional activation methods to mechanochemical procedures: The hydantoin case 2021 , 421-452		