

Jing-Bo Yu

List of Publications by Year in descending order

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32
papers

1,064
citations

471509

17
h-index

414414

32
g-index

38
all docs

38
docs citations

38
times ranked

930
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid-Assisted Grinding Mechanochemistry in the Synthesis of Pharmaceuticals. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1246-1271.	4.3	170
2	Solvent-Free Cross-Dehydrogenative Coupling Reactions under High Speed Ball-Milling Conditions Applied to the Synthesis of Functionalized Tetrahydroisoquinolines. <i>Journal of Organic Chemistry</i> , 2011, 76, 9144-9150.	3.2	151
3	Liquid-Assisted Grinding Accelerating: Suzuki-Miyaura Reaction of Aryl Chlorides under High-Speed Ball-Milling Conditions. <i>Journal of Organic Chemistry</i> , 2016, 81, 10049-10055.	3.2	100
4	Fast, solvent-free asymmetric alkynylation of prochiral sp ³ C-H bonds in a ball mill for the preparation of optically active tetrahydroisoquinoline derivatives. <i>Tetrahedron Letters</i> , 2013, 54, 2006-2009.	1.4	87
5	Mechanochemically Activated Oxidative Coupling of Indoles with Acrylates through C-H Activation: Synthesis of 3-Vinylindoles and 1 ² ,1 ² -Diindolyl Propionates and Study of the Mechanism. <i>Journal of Organic Chemistry</i> , 2016, 81, 6049-6055.	3.2	71
6	Mechanically Induced Fe(III) Catalysis at Room Temperature: Solvent-Free Cross-Dehydrogenative Coupling of 3-Benzylidene Indoles with Methylenes/Indoles. <i>Journal of Organic Chemistry</i> , 2016, 81, 11514-11520.	3.2	47
7	Effects of anthraquinones from <i>Cassia occidentalis</i> L. on ovalbumin-induced airways inflammation in a mouse model of allergic asthma. <i>Journal of Ethnopharmacology</i> , 2018, 221, 1-9.	4.1	33
8	Palladium-Catalyzed C-H/C-H Cross-Coupling by Mechanochemistry: Direct Alkenylation and Heteroarylation of N1-Protected 1 <i>H</i> -Indazoles. <i>Journal of Organic Chemistry</i> , 2020, 85, 1009-1021.	3.2	31
9	Decarboxylative acylation of <i>N</i> -free indoles enabled by a catalytic amount of copper catalyst and liquid-assisted grinding. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4446-4451.	2.8	27
10	Mechanochemical Magnesium-Mediated Minisci C-H Alkylation of Pyrimidines with Alkyl Bromides and Chlorides. <i>Organic Letters</i> , 2021, 23, 6423-6428.	4.6	27
11	Extraction, characterization, and biological activity of polysaccharides from <i>Sophora flavescens</i> Ait.. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 459-467.	7.5	26
12	Mechanochemical Oxidative Mannich Reaction: Evaluation of Chemical and Mechanical Parameters for the Mild and Chemoselective Coupling of <i>N</i> -tert-butoxycarbonyltetrahydroquinolines and Ketones. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5340-5344.	2.4	23
13	Bromide-assisted chemoselective Heck reaction of 3-bromoindazoles under high-speed ball-milling conditions: synthesis of axitinib. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 786-795.	2.2	23
14	Mechanochemical C-X/C-H Functionalization: An Alternative Strategic Access to Pharmaceuticals. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	23
15	High yielding, one-step mechano-enzymatic hydrolysis of cellulose to cellulose nanocrystals without bulk solvent. <i>Bioresource Technology</i> , 2021, 331, 125015.	9.6	22
16	Mechanochemical Asymmetric Cross-Dehydrogenative Coupling Reaction: Liquid-Assisted Grinding Enables Reaction Acceleration and Enantioselectivity Control. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 893-902.	4.3	21
17	Mechanochemical Oxidative Heck Coupling of Activated and Unactivated Alkenes: A Chemo-, Regio- and Stereo-Controlled Synthesis of Alkenylbenzenes. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5133-5139.	4.3	20
18	Selective Extraction of Gardenia Yellow and Geniposide from <i>Gardenia jasminoides</i> by Mechanochemistry. <i>Molecules</i> , 2016, 21, 540.	3.8	19

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19	Preparation of camptothecin micelles self-assembled from disodium glycyrrhizin and tannic acid with enhanced antitumor activity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 164, 75-85.	4.3	18
20	Synthesis of Quinolines by <i>N</i> -Deformylation and Aromatization via Solvent-Free, High-Speed Ball Milling. <i>Synthetic Communications</i> , 2013, 43, 361-374.	2.1	16
21	Selective Extraction of Flavonoids from <i>Sophora flavescens</i> Ait. by Mechanochemistry. <i>Molecules</i> , 2016, 21, 989.	3.8	16
22	Mechanochemical preparation of kaempferol intermolecular complexes for enhancing the solubility and bioavailability. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 1924-1932.	2.0	15
23	Encaging palladium(0) in layered double hydroxide: A sustainable catalyst for solvent-free and ligand-free Heck reaction in a ball mill. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1661-1668.	2.2	14
24	Extraction, partial characterization and bioactivity of polysaccharides from <i>Senecio scandens</i> Buch.-Ham. <i>International Journal of Biological Macromolecules</i> , 2018, 109, 535-543.	7.5	14
25	Two approaches for the synthesis of levo-praziquantel. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4507-4514.	2.8	10
26	Generation of aryl radicals from <i>in situ</i> activated homolytic scission: driving radical reactions by ball milling. <i>Green Chemistry</i> , 2022, 24, 4557-4565.	9.0	10
27	Mechanically activated ring-opening reactions of <i>N</i> -acyl-1,2,3,4-tetrahydroisoquinolines derived from the synthesis of praziquantel intermediate. <i>Tetrahedron</i> , 2015, 71, 6116-6123.	1.9	9
28	Unexpected and Divergent Reactions of <i>N</i> -Formyl-1,2-dihydroquinolines with Sodium Azide: Highly Chemoselective Formation of 2-Substituted Quinolines and Isoxazolo[4,3- <i>c</i>]quinolines. <i>Synlett</i> , 2010, 2010, 1281-1284.	1.8	7
29	Inositol hexanicotinate self-micelle solid dispersion is an efficient drug delivery system in the mouse model of non-alcoholic fatty liver disease. <i>International Journal of Pharmaceutics</i> , 2021, 602, 120576.	5.2	6
30	Mechanically induced solvent-free esterification method at room temperature. <i>RSC Advances</i> , 2021, 11, 5080-5085.	3.6	4
31	An Efficient Synthesis of 2-Vinyl Furans/Thiophenes: Oxidative Heck Coupling under High-Speed Ball-Milling Conditions. <i>Chinese Journal of Organic Chemistry</i> , 2017, 37, 1473.	1.3	2
32	Front Cover: Mechanochemical C-X/C-H Functionalization: An Alternative Strategic Access to Pharmaceuticals (<i>Eur. J. Org. Chem.</i> 8/2022). <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	2