Wei-Ke Su

List of Publications by Year
in descending order

65	1,922	304743 22	276875 41
papers	citations	h-index	g-index

68	68	68	1807
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Liquidâ€Assisted Grinding Mechanochemistry in the Synthesis of Pharmaceuticals. Advanced Synthesis and Catalysis, 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. Journal of Organic Chemistry, 2011, 76, 9144-9150.	3.2	151
3	Preparation of curcumin self-micelle solid dispersion with enhanced bioavailability and cytotoxic activity by mechanochemistry. Drug Delivery, 2018, 25, 198-209.	5.7	102
4	Liquid-Assisted Grinding Accelerating: Suzukiâ€“Miyaura Reaction of Aryl Chlorides under High-Speed Ball-Milling Conditions. Journal of Organic Chemistry, 2016, 81, 10049-10055.	3.2	100
5	Fast, solvent-free asymmetric alkynylation of prochiral sp3 Câ€“H bonds in a ball mill for the preparation of optically active tetrahydroisoquinoline derivatives. Tetrahedron Letters, 2013, 54, 2006-2009.	1.4	87
6	A novel sulfonic acid functionalized ionic liquid catalyzed multicomponent synthesis of 10,11-dihydrochromeno[4,3-b]chromene-6,8(7H,9H)-dione derivatives in water. Tetrahedron Letters, 2011, 52, 2601-2604.	1.4	78
7	Cobalt(III)-Catalyzed Fast and Solvent-Free Câ€“H Allylation of Indoles Using Mechanochemistry. Journal of Organic Chemistry, 2017, 82, 10665-10672.	3.2	75
8	Mechanochemically Activated Oxidative Coupling of Indoles with Acrylates through Câ€“H Activation: Synthesis of 3-Vinylindoles and Î²,Î²-Diindolyl Propionates and Study of the Mechanism. Journal of Organic Chemistry, 2016, 81, 6049-6055.	3.2	71
9	Enhanced solubility and bioavailability of simvastatin by mechanochemically obtained complexes. International Journal of Pharmaceutics, 2017, 534, 108-118.	5.2	64
10	Construction of C(sp 2)â€“C(sp 3) Bond between Quinoxalinâ€2(1 H)â€ones and N â€Hydroxyphthalimide Esters via Photocatalytic Decarboxylative Coupling. Chemistry - an Asian Journal, 2019, 14, 3344-3349.	3.3	59
11	Synthesis and Antitumor Activity of Novel Coumarin Derivatives via a Threeâ€component Reaction in Water. Chinese Journal of Chemistry, 2013, 31, 507-514.	4.9	57
12	Solvent-free mechanochemical Buchwald-Hartwig amination of aryl chlorides without inert gas protection. Tetrahedron Letters, 2018, 59, 2277-2280.	1.4	52
13	Mechanically Induced Fe(III) Catalysis at Room Temperature: Solvent-Free Cross-Dehydrogenative Coupling of 3-Benzylic Indoles with Methylenes/Indoles. Journal of Organic Chemistry, 2016, 81, 11514-11520.	3.2	47
14	Metal-free synthesis of 2,2-disubstituted indolin-3-ones. Organic and Biomolecular Chemistry, 2019, 17, 2199-2203.	2.8	40
15	Mechanically activated synthesis of (E)â€stilbene derivatives by highâ€speed ball milling. Applied Organometallic Chemistry, 2012, 26, 145-147.	3.5	36
16	Effects of anthraquinones from Cassia occidentalis L. on ovalbumin-induced airways inflammation in a mouse model of allergic asthma. Journal of Ethnopharmacology, 2018, 221, 1-9.	4.1	33
17	Palladium-Catalyzed Câ€“H/Câ€“H Cross-Coupling by Mechanochemistry: Direct Alkenylation and Heteroarylation of N1-Protected 1H-Indazoles. Journal of Organic Chemistry, 2020, 85, 1009-1021.	3.2	31
18	Preparation, physicochemical and pharmacological study of curcumin solid dispersion with an arabinogalactan complexation agent. International Journal of Biological Macromolecules, 2019, 128, 158-166.	7.5	30

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19	Decarboxylative acylation of N-free indoles enabled by a catalytic amount of copper catalyst and liquid-assisted grinding. Organic and Biomolecular Chemistry, 2019, 17, 4446-4451.	2.8	27
20	Mechanochemical Magnesium-Mediated Minisci Câ€“H Alkylation of Pyrimidines with Alkyl Bromides and Chlorides. Organic Letters, 2021, 23, 6423-6428.	4.6	27
21	An efficient protocol for multicomponent synthesis of functionalized chromeno[4,3-b]pyrrol-4(1H)-one derivatives. Tetrahedron Letters, 2015, 56, 2476-2479.	1.4	26
22	Extraction, characterization, and biological activity of polysaccharides from Sophora flavescens Ait.. International Journal of Biological Macromolecules, 2016, 93, 459-467.	7.5	26
23	Partial characterization, antioxidant and antitumor activities of polysaccharides from Philomycusbilineatus. International Journal of Biological Macromolecules, 2014, 65, 573-580.	7.5	25
24	Mechanochemical Oxidative Mannich Reaction: Evaluation of Chemical and Mechanical Parameters for the Mild and Chemoselective Coupling of Nâ€tertâ€butoxycarbonyltetrahydroquinolines and Ketones. European Journal of Organic Chemistry, 2016, 2016, 5340-5344.	2.4	23
25	A copper/O2-mediated direct sp3 Câ€“H/Nâ€“H cross-dehydrogen coupling reaction of acylated amines and N-aryl glycine esters. Organic and Biomolecular Chemistry, 2018, 16, 2902-2909.	2.8	23
26	Bromide-assisted chemoselective Heck reaction of 3-bromoindazoles under high-speed ball-milling conditions: synthesis of axitinib. Beilstein Journal of Organic Chemistry, 2018, 14, 786-795.	2.2	23
27	Self-assembling poly(ethylene glycol)-block-polylactide-cabazitaxel conjugate nanoparticles for anticancer therapy with high efficacy and low in vivo toxicity. International Journal of Pharmaceutics, 2020, 574, 118879.	5.2	23
28	Mechanochemical Câ€”X/Câ€”H Functionalization: An Alternative Strategic Access to Pharmaceuticals. European Journal of Organic Chemistry, 2022, 2022, .	2.4	23
29	Preparation of pectin-tannic acid coated core-shell nanoparticle for enhanced bioavailability and antihyperlipidemic activity of curcumin. Food Hydrocolloids, 2021, 119, 106858.	10.7	22
30	Mechanochemical Asymmetric Crossâ€Dehydrogenative Coupling Reaction: Liquidâ€Assisted Grinding Enables Reaction Acceleration and Enantioselectivity Control. Advanced Synthesis and Catalysis, 2020, 362, 893-902.	4.3	21
31	Mechanochemical Oxidative Heck Coupling of Activated and Unactivated Alkenes: A Chemoâ€, Regioâ€and Stereoâ€Controlled Synthesis of Alkenylbenzenes. Advanced Synthesis and Catalysis, 2019, 361, 5133-5139.	4.3	20
32	Selective Extraction of Gardenia Yellow and Geniposide from Gardenia jasminoides by Mechanochemistry. Molecules, 2016, 21, 540.	3.8	19
33	Atorvastatin calcium inclusion complexation with polysaccharide arabinogalactan and saponin disodium glycyrrhizate for increasing of solubility and bioavailability. Drug Delivery and Translational Research, 2018, 8, 1200-1213.	5.8	18
34	Preparation of camptothecin micelles self-assembled from disodium glycyrrhizin and tannic acid with enhanced antitumor activity. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 164, 75-85.	4.3	18
35	Preparation of astaxanthin micelles self-assembled by a mechanochemical method from hydroxypropyl Î²-cyclodextrin and glyceryl monostearate with enhanced antioxidant activity. International Journal of Pharmaceutics, 2021, 605, 120799.	5.2	18
36	Photocatalytic aerobic cross-coupling reaction of N-substituted anilines with N-aryl glycine esters: Synthesis of Î±-aryl Î±-amino esters. Tetrahedron Letters, 2018, 59, 4364-4369.	1.4	17

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37	Palladium-Catalyzed Direct Addition of 2-Aminobenzonitriles to Sodium Arylsulfinates: Synthesis of o-Aminobenzophenones. Molecules, 2014, 19, 6439-6449.	3.8	16
38	Selective Extraction of Flavonoids from Sophora flavescens Ait. by Mechanochemistry. Molecules, 2016, 21, 989.	3.8	16
39	Freeâ€radical Initialized Cyclization of 2â€(3â€Arylpropioloyl)benzaldehydes with Toluene Derivatives: Access to Benzylated 1,4â€Naphthoquinones via Copperâ€Catalyzed Cascade Reaction. Advanced Synthesis and Catalysis, 2021, 363, 484-489.	4.3	16
40	Synthesis of a Crizotinib Intermediate via Highly Efficient Catalytic Hydrogenation in Continuous Flow. Organic Process Research and Development, 2020, 24, 2252-2259.	2.7	15
41	Encaging palladium(0) in layered double hydroxide: A sustainable catalyst for solvent-free and ligand-free Heck reaction in a ball mill. Beilstein Journal of Organic Chemistry, 2017, 13, 1661-1668.	2.2	14
42	Extraction, partial characterization and bioactivity of polysaccharides from Senecio scandens Buch.-Ham. International Journal of Biological Macromolecules, 2018, 109, 535-543.	7.5	14
43	Selection of fluorescent dye for tracking biodistribution of paclitaxel in live imaging. Colloids and Surfaces B: Biointerfaces, 2019, 181, 872-878.	5.0	13
44	Solubility, Permeability, Anti-Inflammatory Action and In Vivo Pharmacokinetic Properties of Several Mechanochemically Obtained Pharmaceutical Solid Dispersions of Nimesulide. Molecules, 2021, 26, 1513.	3.8	12
45	Highly Stereoselective Intramolecular Carbofluorination of Internal Î±,Î²-Ynones Promoted by Selectfluor. Organic Letters, 2021, 23, 4488-4492.	4.6	12
46	Research on Preparation of 5-ASA Colon-Specific Hydrogel Delivery System without Crosslinking Agent by Mechanochemical Method. Pharmaceutical Research, 2021, 38, 693-706.	3.5	11
47	Investigation the inclusion complexes of valsartan with polysaccharide arabinogalactan from larch Larix sibirica and (2-hydroxypropyl)-Î²-cyclodextrin: preparation, characterization and physicochemical properties. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2016, 85, 93-104.	1.6	10
48	Two approaches for the synthesis of levo-praziquantel. Organic and Biomolecular Chemistry, 2021, 19, 4507-4514.	2.8	10
49	Generation of aryl radicals fromin situactivated homolytic scission: driving radical reactions by ball milling. Green Chemistry, 2022, 24, 4557-4565.	9.0	10
50	Mechanically activated ring-opening reactions of N-acyl-1,2,3,4-tetrahydroisoquinolines derived from the synthesis ofÂpraziquantel intermediate. Tetrahedron, 2015, 71, 6116-6123.	1.9	9
51	Aldehyde-induced metal-free decarboxylation of Î±-amino acids to synthesize N -alkyl-Î²-alkenyl cyclic amines with high stereoselectivity. Tetrahedron Letters, 2017, 58, 3174-3177.	1.4	8
52	Antihyperuricemic and nephroprotective effects of extracts from Orthosiphon stamineus in hyperuricemic mice. Journal of Pharmacy and Pharmacology, 2020, 72, 551-560.	2.4	8
53	Metal-free chemoselective reduction of nitroaromatics to anilines via hydrogen transfer strategy. Chemical Papers, 2019, 73, 965-975.	2.2	7
54	Inositol hexanicotinate self-micelle solid dispersion is an efficient drug delivery system in the mouse model of non-alcoholic fatty liver disease. International Journal of Pharmaceutics, 2021, 602, 120576.	5.2	6

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55	Oneâ€Pot <scp>I</scp>â€Prolineâ€Mediated Stereoselective Îâ€C(sp²)â€“H Fluorination of Îâ€²,Îâ€²Unsaturated Aldehydes through Methoxyfluorinationâ€“Elimination. European Journal of Organic Chemistry, 2017, 2017, 3631-3634.	2.4	5
56	Highly Efficient Modular Construction of Functional Drug Delivery Platform Based on Amphiphilic Biodegradable Polymers via Click Chemistry. International Journal of Molecular Sciences, 2021, 22, 10407.	4.1	5
57	Study of Chemical Compositions and Anticancer Effects of Paris polyphylla var. Chinensis Leaves. Molecules, 2022, 27, 2724.	3.8	5
58	Physicochemical and Toxic Properties of Novel Genipin Drug Delivery Systems Prepared by Mechanochemistry. Current Drug Delivery, 2018, 15, 727-736.	1.6	4
59	Diastereomer recognition of oxytetracycline and its 4â€epimer by electrospray ionization mass spectrometry and mechanistic investigation. Journal of Mass Spectrometry, 2019, 54, 1013-1018.	1.6	3
60	An investigation of the synthesis of vilazodone. Journal of Chemical Research, 2020, 44, 243-247.	1.3	3
61	Preparation, physicochemical and pharmacological study of 10-hydroxycamptothecin solid dispersion with complexation agent â€“ xylan-nonanoic acid amphiphilic conjugates. International Journal of Biological Macromolecules, 2022, 204, 224-233.	7.5	3
62	Front Cover: Mechanochemical Câˆ’X/Câˆ’H Functionalization: An Alternative Strategic Access to Pharmaceuticals (Eur. J. Org. Chem. 8/2022). European Journal of Organic Chemistry, 2022, 2022, .	2.4	2
63	Preparation of DNC Solid Dispersion by a Mechanochemical Method with Glycyrrhizic Acid and Polyvinylpyrrolidone to Enhance Bioavailability and Activity. Polymers, 2022, 14, 2037.	4.5	2
64	Diastereomer recognition of three pairs of tetracyclines by electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2022, 36, e9221.	1.5	1
65	NMR-based Metabolomic Techniques Identify the Anticancer Effects of Three Polyphyllins in HepG2 Cells. Current Pharmaceutical Analysis, 2021, 17, .	0.6	0