

# Deborah E Crawford

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8416320/publications.pdf>

Version: 2024-02-01

25  
papers

1,697  
citations

393982

19  
h-index

580395

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1730  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanochemistry Can Reduce Life Cycle Environmental Impacts of Manufacturing Active Pharmaceutical Ingredients. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 1430-1439.	3.2	54
2	Mechanochemical synthesis of mononuclear gold(i) halide complexes of diphosphine ligands with tuneable luminescent properties. <i>Dalton Transactions</i> , 2021, 50, 13337-13344.	1.6	2
3	Upscaling Mechanochemistry: Challenges and Opportunities for Sustainable Industry. <i>Trends in Chemistry</i> , 2021, 3, 335-339.	4.4	70
4	Greener Dye Synthesis: Continuous, Solvent-Free Synthesis of Commodity Perylene Diimides by Twin-Screw Extrusion. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4478-4483.	7.2	46
5	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.	3.2	71
6	Cytotoxicity of Mechanochemically Prepared Cu(II) Complexes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15243-15249.	3.2	13
7	Continuous and scalable synthesis of a porous organic cage by twin screw extrusion (TSE). <i>Chemical Science</i> , 2020, 11, 6582-6589.	3.7	30
8	European Research in Focus: Mechanochemistry for Sustainable Industry (COST Action) Tj ETQq0 0 0 rgBT /Overlock_10 Tf 50_462 Td (<	1.2	44
9	Greener Dye Synthesis: Continuous, Solvent-Free Synthesis of Commodity Perylene Diimides by Twin-Screw Extrusion. <i>Angewandte Chemie</i> , 2020, 132, 4508-4513.	1.6	16
10	Insights into mechanochemical reactions at the molecular level: simulated indentations of aspirin and meloxicam crystals. <i>Chemical Science</i> , 2019, 10, 2924-2929.	3.7	29
11	Solvent-free sonochemistry as a route to pharmaceutical co-crystals. <i>Chemical Communications</i> , 2019, 55, 5463-5466.	2.2	17
12	Papain-catalysed mechanochemical synthesis of oligopeptides by milling and twin-screw extrusion: application in the Juli-Columna enantioselective epoxidation. <i>Green Chemistry</i> , 2018, 20, 1262-1269.	4.6	94
13	Use of Batch Mixing To Investigate the Continuous Solvent-Free Mechanical Synthesis of OLED Materials by Twin-Screw Extrusion (TSE). <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 193-201.	3.2	19
14	Translating solid state organic synthesis from a mixer mill to a continuous twin screw extruder. <i>Green Chemistry</i> , 2018, 20, 4443-4447.	4.6	57
15	Mechanochemical dehydrocoupling of dimethylamine borane and hydrogenation reactions using Wilkinson's catalyst. <i>Chemical Communications</i> , 2018, 54, 8355-8358.	2.2	27
16	Organic synthesis by Twin Screw Extrusion (TSE): continuous, scalable and solvent-free. <i>Green Chemistry</i> , 2017, 19, 1507-1518.	4.6	160
17	Mechanoenzymatic peptide and amide bond formation. <i>Green Chemistry</i> , 2017, 19, 2620-2625.	4.6	81
18	Feedback Kinetics in Mechanochemistry: The Importance of Cohesive States. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15252-15256.	7.2	86

#	ARTICLE	IF	CITATIONS
19	Feedback Kinetics in Mechanochemistry: The Importance of Cohesive States. <i>Angewandte Chemie</i> , 2017, 129, 15454-15458.	1.6	34
20	Continuous multi-step synthesis by extrusion “telescoping solvent-free reactions for greater efficiency. <i>Chemical Communications</i> , 2017, 53, 13067-13070.	2.2	58
21	Extrusion “back to the future: Using an established technique to reform automated chemical synthesis. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 65-75.	1.3	61
22	Solvent-free sonochemistry: Sonochemical organic synthesis in the absence of a liquid medium. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1850-1856.	1.3	21
23	Recent Developments in Mechanochemical Materials Synthesis by Extrusion. <i>Advanced Materials</i> , 2016, 28, 5747-5754.	11.1	106
24	Synthesis by extrusion: continuous, large-scale preparation of MOFs using little or no solvent. <i>Chemical Science</i> , 2015, 6, 1645-1649.	3.7	347
25	Antimicrobial and antibiofilm activities of 1-alkylquinolinium bromide ionic liquids. <i>Green Chemistry</i> , 2010, 12, 420.	4.6	154