

Mircea Vinatoru

List of Publications by Year in descending order

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docs citations

43
times ranked

3724
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview of the ultrasonically assisted extraction of bioactive principles from herbs. <i>Ultrasonics Sonochemistry</i> , 2001, 8, 303-313.	8.2	896
2	Investigation of the effects of ultrasound on vegetal tissues during solvent extraction. <i>Ultrasonics Sonochemistry</i> , 2001, 8, 137-142.	8.2	505
3	Ultrasonically assisted extraction (UAE) and microwave assisted extraction (MAE) of functional compounds from plant materials. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 97, 159-178.	11.4	426
4	Fatty acids methyl esters from vegetable oil by means of ultrasonic energy. <i>Ultrasonics Sonochemistry</i> , 2005, 12, 367-372.	8.2	349
5	The Extraction of Natural Products using Ultrasound or Microwaves. <i>Current Organic Chemistry</i> , 2011, 15, 237-247.	1.6	225
6	Aspects of ultrasonically assisted transesterification of various vegetable oils with methanol. <i>Ultrasonics Sonochemistry</i> , 2007, 14, 380-386.	8.2	151
7	Ultrasonically driven continuous process for vegetable oil transesterification. <i>Ultrasonics Sonochemistry</i> , 2007, 14, 413-417.	8.2	147
8	Conversion of Vegetable Oil to Biodiesel Using Ultrasonic Irradiation. <i>Chemistry Letters</i> , 2003, 32, 716-717.	1.3	95
9	Ultrasonic versus silent methylation of vegetable oils. <i>Ultrasonics Sonochemistry</i> , 2006, 13, 401-407.	8.2	89
10	The sonochemical decolourisation of textile azo dye Orange II: Effects of Fenton type reagents and UV light. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 846-853.	8.2	84
11	Transesterification of Fish Oil to Produce Fatty Acid Ethyl Esters Using Ultrasonic Energy. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2007, 84, 1045-1052.	1.9	67
12	The sonochemical coating of cotton withstands 65 washing cycles at hospital washing standards and retains its antibacterial properties. <i>Cellulose</i> , 2013, 20, 1215-1221.	4.9	67
13	Ultrasonically assisted extraction of bioactive principles from plants and their constituents. <i>Advances in Sonochemistry</i> , 1999, , 209-247.	0.4	66
14	Ultrasonically assisted extraction (UAE) of natural products some guidelines for good practice and reporting. <i>Ultrasonics Sonochemistry</i> , 2015, 25, 94-95.	8.2	52
15	Ultrasonic, hydrodynamic and microwave biodiesel synthesis – A comparative study for continuous process. <i>Ultrasonics Sonochemistry</i> , 2019, 57, 38-47.	8.2	45
16	Sonolysis of chlorobenzene in Fenton-type aqueous systems. <i>Ultrasonics Sonochemistry</i> , 2002, 9, 291-296.	8.2	44
17	Sonoelectrocatalytic decomposition of methylene blue using Ti/Ta ₂ O ₅ /SnO ₂ electrodes. <i>Ultrasonics Sonochemistry</i> , 2015, 23, 135-141.	8.2	38
18	Sonoelectrochemical degradation of formic acid using Ti/Ta ₂ O ₅ -SnO ₂ electrodes. <i>Journal of Molecular Liquids</i> , 2016, 223, 388-394.	4.9	28

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19	Can sonochemistry take place in the absence of cavitation? – A complementary view of how ultrasound can interact with materials. <i>Ultrasonics Sonochemistry</i> , 2019, 52, 2-5.	8.2	21
20	A comparison between the sonochemical and thermal reaction of 5H,5Cl-Dibenz[a,d]cycloheptatriene with nitrobenzene. <i>Ultrasonics Sonochemistry</i> , 2003, 10, 49-53.	8.2	19
21	Extraction of silymarin from milk thistle (<i>Silybum marianum</i>) seeds – A comparison of conventional and microwave-assisted extraction methods. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2017, 51, 124-133.	0.8	19
22	A new reactor for process intensification involving the simultaneous application of adjustable ultrasound and microwave radiation. <i>Ultrasonics Sonochemistry</i> , 2021, 77, 105701.	8.2	19
23	Regenerative role of the red phosphorus in the couple H ₂ /Pred TM . <i>Journal of Organometallic Chemistry</i> , 1997, 529, 295-299.	1.8	16
24	Ultrasound assisted preparation of calcium alginate beads to improve absorption of Pb ²⁺ from water. <i>Ultrasonics Sonochemistry</i> , 2020, 68, 105191.	8.2	16
25	Fatty Acid Ethyl Esters (FAEE): A New, Green and Renewable Solvent for the Extraction of Carotenoids from Tomato Waste Products. <i>Molecules</i> , 2021, 26, 4388.	3.8	10
26	A parameter study of ultrasound assisted enzymatic esterification. <i>Scientific Reports</i> , 2022, 12, 1421.	3.3	10
27	Ultrasonically stimulated electron transfer in organic chemistry. Reaction of nitrobenzene with triphenylmethane and its derivatives. <i>Ultrasonics Sonochemistry</i> , 1994, 1, S27-S31.	8.2	9
28	Active Manganese Dioxide Supported On Alumina. <i>Synthetic Communications</i> , 1999, 29, 1719-1726.	2.1	9
29	Sonochemical Treatment of Orange II Using Ultrasound at a Range of Frequencies and Powers. <i>Journal of Advanced Oxidation Technologies</i> , 2012, 15, .	0.5	9
30	Short-time sonolysis of chlorobenzene in the presence of Pd(II) salts and Pd(0). <i>Ultrasonics Sonochemistry</i> , 2004, 11, 429-434.	8.2	8
31	Comments on the use of loop reactors in sonochemical processes. <i>Ultrasonics Sonochemistry</i> , 2017, 39, 240-242.	8.2	7
32	Jean-Louis Luche and the Interpretation of Sonochemical Reaction Mechanisms. <i>Molecules</i> , 2021, 26, 755.	3.8	7
33	The ultrasonically induced reaction of benzoyl chloride with nitrobenzene: an unexpected sonochemical effect and a possible mechanism. <i>Ultrasonics Sonochemistry</i> , 2002, 9, 245-249.	8.2	6
34	The Effect of Focused Ultrasound on Magnetic Polyelectrolyte Capsules Loaded with Dye When Suspended in Tissue-Mimicking Gel. <i>Current Drug Delivery</i> , 2019, 16, 355-363.	1.6	3
35	Intensification of the Enzymatic Esterification Process by Ultrasounds. <i>Revista De Chimie (discontinued)</i> , 2019, 70, 41-44.	0.4	3
36	Magnetic silica particles functionalized with guanidine derivatives for microwave-assisted transesterification of waste oil. <i>Scientific Reports</i> , 2021, 11, 17518.	3.3	2

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37	Ultrasonic or Microwave Cascade Treatment of Medicinal Plant Waste. Sustainability, 2021, 13, 12849.	3.2	2
38	Sonolysis of chlorobenzene in the presence of transition metal salts. Open Chemistry, 2003, 1, 339-355.	1.9	1
39	MICROWAVE AND ULTRASOUNDS TOGETHER " A CHALLENGE. , 0, , .		1
40	On the ultrasound-assisted preparation of Cu/SiO ₂ system as a selective catalyst for the conversion of biobutanol to butanal. Chemical Papers, 2022, 76, 1443-1455.	2.2	1
41	Compressive Strength of Cement Mortar Using Sebha Clay, Treated by Sonication Method. Applied Mechanics and Materials, 0, 377, 60-68.	0.2	0
42	Effects of Ultrasounds on Neat nitrobenzene. Revista De Chimie (discontinued), 2019, 70, 3085-3088.	0.4	0
43	Transport of Magnetic Polyelectrolyte Capsules in Various Environments. Coatings, 2022, 12, 259.	2.6	0