

Venkatasubramanian Sivakumar

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

810
citations

623734

14
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

614
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasound assisted enhancement in natural dye extraction from beetroot for industrial applications and natural dyeing of leather. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 782-789.	8.2	182
2	Effective natural dye extraction from different plant materials using ultrasound. <i>Industrial Crops and Products</i> , 2011, 33, 116-122.	5.2	170
3	Studies on the use of power ultrasound in leather dyeing. <i>Ultrasonics Sonochemistry</i> , 2003, 10, 85-94.	8.2	64
4	Studies on the use of power ultrasound in solid-liquid myrobalan extraction process. <i>Journal of Cleaner Production</i> , 2007, 15, 1813-1818.	9.3	57
5	Application of power ultrasound in leather processing: an eco-friendly approach. <i>Journal of Cleaner Production</i> , 2001, 9, 25-33.	9.3	53
6	Power ultrasound in fatliquor preparation based on vegetable oil for leather application. <i>Journal of Cleaner Production</i> , 2008, 16, 549-553.	9.3	37
7	Towards cleaner degreasing method in industries: ultrasound-assisted aqueous degreasing process in leather making. <i>Journal of Cleaner Production</i> , 2009, 17, 101-104.	9.3	35
8	Use of ultrasound in leather processing Industry: Effect of sonication on substrate and substances – New insights. <i>Ultrasonics Sonochemistry</i> , 2010, 17, 1054-1059.	8.2	28
9	Sono-leather technology with ultrasound: A boon for unit operations in leather processing – review of our research work at Central Leather Research Institute (CLRI), India. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 116-119.	8.2	25
10	Power Ultrasound-Assisted Cleaner Leather Dyeing Technique: Influence of Process Parameters. <i>Environmental Science & Technology</i> , 2004, 38, 1616-1621.	10.0	23
11	Towards environmental protection and process safety in leather processing – A comprehensive analysis and review. <i>Chemical Engineering Research and Design</i> , 2022, 163, 703-726.	5.6	20
12	Influence of ultrasound on diffusion through skin/leather matrix. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 2076-2083.	3.6	17
13	Influence of ultrasound on Avaram bark (<i>Cassia auriculata</i>) tannin extraction and tanning. <i>Chemical Engineering Research and Design</i> , 2014, 92, 1827-1833.	5.6	16
14	Ultrasound assisted cleaner alternate emulsification method for oils and fats: tallow emulsion – fatliquor preparation for leather application. <i>Journal of Cleaner Production</i> , 2012, 37, 1-7.	9.3	15
15	Studies on the influence of power ultrasound on dye penetration in leather dyeing using photomicrographic analysis. <i>Journal of Microscopy</i> , 2005, 220, 31-35.	1.8	13
16	Ultrasound-aided leather dyeing: a preliminary investigation on process parameters influencing ultrasonic technology for large-scale production. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 45, 41-54.	3.0	11
17	Efficient extraction of natural dye from red sandal wood (<i>Pterocarpus Sandalinus</i>) using ultrasound. <i>International Wood Products Journal</i> , 2017, 8, 6-9.	1.1	9
18	Sustainable Solid Waste Management in Leather and Textile Industry. <i>Textile & Leather Review</i> , 2020, 3, 54-63.	1.0	9

#	ARTICLE	IF	CITATIONS
19	Use of Ozone as A Disinfectant for Raw Animal Skins Application as Short-Term Preservation in Leather Making. <i>Ozone: Science and Engineering</i> , 2010, 32, 449-455.	2.5	8
20	Alternative methods for Salt free / Less salt short term preservation of hides and skins in leather making for sustainable development A review. <i>Textile & Leather Review</i> , 2019, 2, 46-52.	1.0	5
21	Measurement and mapping of cavitation energy in leather and Material Processing vessels using an ultrasonic horn. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	2.3	4
22	Towards holistic technology solution to chromite ore processing residue (COPR) challenge; global issue: review and analysis. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 665-676.	3.5	3
23	Analysis and correlation of ultrasound cavitation energy in ultrasound tank with coloration of fibrous materials: leather dyeing. <i>Brazilian Journal of Chemical Engineering</i> , 2023, 40, 193-215.	1.3	2
24	Ultrasound-assisted Acid red dye removal using leather fibre wastes as matrix: intra wastes interaction approach. <i>International Journal of Environmental Studies</i> , 2013, 70, 536-548.	1.6	1
25	Power Ultrasound Assisted in-situ Reinforcement of Nano-Composite From μ -caprolactam/TiO ₂ . <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 487-492.	1.9	0
26	Ultrasound-assisted Solid-liquid Extraction Devices - Harnessing Active Ingredients from Plant materials Overview and Analysis. <i>Recent Innovations in Chemical Engineering</i> , 2021, 14, 381-388.	0.4	0