

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	Analysis and correlation of ultrasound cavitation energy in ultrasound tank with coloration of fibrous materials: leather dyeing. Brazilian Journal of Chemical Engineering, 2023, 40, 193-215.	1.3	2
2	Towards holistic technology solution to chromite ore processing residue (COPR) challenge; global issue: review and analysis. International Journal of Environmental Science and Technology, 2022, 19, 665-676.	3.5	3
3	Measurement and mapping of cavitation energy in leather and Material Processing vessels using an ultrasonic horn. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	4
4	Towards environmental protection and process safety in leather processing – A comprehensive analysis and review. Chemical Engineering Research and Design, 2022, 163, 703-726.	5.6	20
5	Ultrasound-assisted Solid-liquid Extraction Devices - Harnessing Active Ingredients from Plant materials – Overview and Analysis. Recent Innovations in Chemical Engineering, 2021, 14, 381-388.	0.4	0
6	Sustainable Solid Waste Management in Leather and Textile Industry. Textile & Leather Review, 2020, 3, 54-63.	1.0	9
7	Alternative methods for Salt free / Less salt short term preservation of hides and skins in leather making for sustainable development – A review. Textile & Leather Review, 2019, 2, 46-52.	1.0	5
8	Efficient extraction of natural dye from red sandal wood (<i>Pterocarpus Sandalinus</i>) using ultrasound. International Wood Products Journal, 2017, 8, 6-9.	1.1	9
9	Influence of ultrasound on Avaram bark (<i>Cassia auriculata</i>) tannin extraction and tanning. Chemical Engineering Research and Design, 2014, 92, 1827-1833.	5.6	16
10	Ultrasound-assisted Acid red dye removal using leather fibre wastes as matrix: –intra wastes interaction™ approach. International Journal of Environmental Studies, 2013, 70, 536-548.	1.6	1
11	Power Ultrasound Assisted in-situ Reinforcement of Nano-Composite From $\dot{\mu}$ -caprolactam/TiO ₂ . Polymer-Plastics Technology and Engineering, 2012, 51, 487-492.	1.9	0
12	Ultrasound assisted cleaner alternate emulsification method for oils and fats: tallow emulsion – fatliqour preparation for leather application. Journal of Cleaner Production, 2012, 37, 1-7.	9.3	15
13	Effective natural dye extraction from different plant materials using ultrasound. Industrial Crops and Products, 2011, 33, 116-122.	5.2	170
14	Use of ultrasound in leather processing Industry: Effect of sonication on substrate and substances – New insights. Ultrasonics Sonochemistry, 2010, 17, 1054-1059.	8.2	28
15	Use of Ozone as A Disinfectant for Raw Animal Skins – Application as Short-Term Preservation in Leather Making. Ozone: Science and Engineering, 2010, 32, 449-455.	2.5	8
16	Towards cleaner degreasing method in industries: ultrasound-assisted aqueous degreasing process in leather making. Journal of Cleaner Production, 2009, 17, 101-104.	9.3	35
17	Ultrasound-aided leather dyeing: a preliminary investigation on process parameters influencing ultrasonic technology for large-scale production. International Journal of Advanced Manufacturing Technology, 2009, 45, 41-54.	3.0	11
18	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. Ultrasonics Sonochemistry, 2009, 16, 116-119.	8.2	25

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19	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
20	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
21	Influence of ultrasound on diffusion through skin/leather matrix. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 2076-2083.	3.6	17
22	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
23	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
24	Power Ultrasound-Assisted Cleaner Leather Dyeing Technique: Influence of Process Parameters. <i>Environmental Science & Technology</i> , 2004, 38, 1616-1621.	10.0	23
25	Studies on the use of power ultrasound in leather dyeing. <i>Ultrasonics Sonochemistry</i> , 2003, 10, 85-94.	8.2	64
26	Application of power ultrasound in leather processing: an eco-friendly approach. <i>Journal of Cleaner Production</i> , 2001, 9, 25-33.	9.3	53