

Paruchuri G Rao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2902118/publications.pdf>

Version: 2024-02-01

61
papers

1,911
citations

236925

25
h-index

265206

42
g-index

62
all docs

62
docs citations

62
times ranked

2539
citing authors

#	ARTICLE	IF	CITATIONS
1	Artemisinin and its derivatives: a novel class of anti-malarial and anti-cancer agents. <i>Chemical Society Reviews</i> , 2010, 39, 435-454.	38.1	324
2	Recouping the wastewater: a way forward for cleaner leather processing. <i>Journal of Cleaner Production</i> , 2003, 11, 591-599.	9.3	94
3	Mahanine restores RASSF1A expression by down-regulating DNMT1 and DNMT3B in prostate cancer cells. <i>Molecular Cancer</i> , 2013, 12, 99.	19.2	93
4	A review on devolatilization of coal in fluidized bed. <i>International Journal of Energy Research</i> , 2011, 35, 929-963.	4.5	67
5	Studies on the use of power ultrasound in leather dyeing. <i>Ultrasonics Sonochemistry</i> , 2003, 10, 85-94.	8.2	64
6	Aqueous Leaching on High Sulfur Sub-bituminous Coals, in Assam, India. <i>Energy & Fuels</i> , 2006, 20, 1550-1555.	5.1	62
7	Influence of Ultrasonic Disintegration on Sludge Growth Reduction and Its Estimation by Respirometry. <i>Environmental Science & Technology</i> , 2004, 38, 5779-5785.	10.0	60
8	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
9	Application of power ultrasound in leather processing: an eco-friendly approach. <i>Journal of Cleaner Production</i> , 2001, 9, 25-33.	9.3	53
10	Influence of sludge disintegration by high pressure homogenizer on microbial growth in sewage sludge: an approach for excess sludge reduction. <i>Clean Technologies and Environmental Policy</i> , 2009, 11, 437-446.	4.1	46
11	Application of chemometrics to study the kinetics of coal pyrolysis: A novel approach. <i>Fuel</i> , 2011, 90, 3299-3305.	6.4	46
12	Ozone generation by silent electric discharge and its application in tertiary treatment of tannery effluent. <i>Journal of Electrostatics</i> , 2002, 56, 77-86.	1.9	44
13	Adsorptive separation of Ginsenoside from aqueous solution by polymeric resins: Equilibrium, kinetic and thermodynamic studies. <i>Chemical Engineering Journal</i> , 2010, 161, 34-45.	12.7	44
14	Vapor of Volatile Oils from Litsea cubeba Seed Induces Apoptosis and Causes Cell Cycle Arrest in Lung Cancer Cells. <i>PLoS ONE</i> , 2012, 7, e47014.	2.5	44
15	Improved equation to estimate flash points of organic compounds. <i>Journal of Hazardous Materials</i> , 1992, 32, 81-85.	12.4	42
16	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
17	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
18	Studies on some edible herbs: Antioxidant activity, phenolic content, mineral content and antifungal properties. <i>Journal of Functional Foods</i> , 2016, 23, 220-229.	3.4	34

#	ARTICLE	IF	CITATIONS
19	Experimental and modeling studies on extraction of cholesterol from cow brain using supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2005, 34, 27-34.	3.2	28
20	Use of ultrasound in leather processing Industry: Effect of sonication on substrate and substances â€œ New insights. <i>Ultrasonics Sonochemistry</i> , 2010, 17, 1054-1059.	8.2	28
21	Dissolution of lignocellulose in ionic liquids and its recovery by nanofiltration membrane. <i>Separation and Purification Technology</i> , 2012, 97, 123-129.	7.9	28
22	A Naturally Derived Small Molecule Disrupts Ligand-Dependent and Ligand-Independent Androgen Receptor Signaling in Human Prostate Cancer Cells. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 341-352.	4.1	28
23	Synthesis of SiC ceramics from processed cellulosic bio-precursor. <i>Ceramics International</i> , 2010, 36, 323-331.	4.8	27
24	Water-soluble organic compounds (WSOCs) in PM2.5 and PM10 at a subtropical site of India. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 63, 990.	1.6	27
25	Hazard and risk potential of chemical handling at ports. <i>Journal of Loss Prevention in the Process Industries</i> , 1996, 9, 199-204.	3.3	26
26	Non-isothermal thermogravimetric pyrolysis kinetics of waste petroleum refinery sludge by isoconversional approach. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 89, 965-970.	3.6	25
27	Sono-leather technology with ultrasound: A boon for unit operations in leather processing â€œ review of our research work at Central Leather Research Institute (CLR), India. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 116-119.	8.2	25
28	Power Ultrasound-Assisted Cleaner Leather Dyeing Technique:Â Influence of Process Parameters. <i>Environmental Science & Technology</i> , 2004, 38, 1616-1621.	10.0	23
29	Kinetics and mechanism on laccase catalyzed synthesis of poly(allylamine)â€œ catechin conjugate. <i>Chemical Engineering Journal</i> , 2010, 163, 86-92.	12.7	23
30	A long chain alkylated Î±-methylene-Î³-butyrolactone from <i>Artabotrys odoratissimus</i> fruit. <i>Phytochemistry Letters</i> , 2009, 2, 22-24.	1.2	21
31	Prediction of thermal hazards from fireballs. <i>Journal of Loss Prevention in the Process Industries</i> , 1991, 4, 344-347.	3.3	20
32	Isolation, characterization and antifungal activity of very long chain alkane derivatives from <i>Cinnamomum obtusifolium</i> , <i>Elaeocarpus lanceifolius</i> and <i>Baccaurea sapida</i> . <i>Journal of Molecular Structure</i> , 2017, 1142, 200-210.	3.6	20
33	Extraction of cholesterol from cattle brain using supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2004, 32, 231-242.	3.2	19
34	Solubility of N-CBZ derivatised amino acids in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2004, 30, 119-125.	3.2	19
35	Study on the reactive extraction and stripping kinetics of certain Î²-lactam antibiotics. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 1-8.	3.6	19
36	Devolatilization of coals of northeastern India in inert atmosphere and in air under fluidized bed conditions. <i>Fuel Processing Technology</i> , 2010, 91, 9-16.	7.2	18

#	ARTICLE	IF	CITATIONS
37	Adsorption affinity of tea catechins onto polymeric resins: Interpretation from molecular orbital theory. <i>Biochemical Engineering Journal</i> , 2010, 52, 144-150.	3.6	18
38	Carlinoside reduces hepatic bilirubin accumulation by stimulating bilirubin-UGT activity through Nrf2 gene expression. <i>Biochemical Pharmacology</i> , 2011, 82, 1186-1197.	4.4	18
39	Heat transfer to viscous Newtonian and non-Newtonian fluids using helical ribbon agitator. <i>Chemical Engineering Journal</i> , 2000, 79, 73-77.	12.7	17
40	Influence of ultrasound on diffusion through skin/leather matrix. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 2076-2083.	3.6	17
41	Esterification of lauric acid with lauryl alcohol using cross-linked enzyme crystals: Solvent effect and kinetic study. <i>Biocatalysis and Biotransformation</i> , 2006, 24, 343-351.	2.0	16
42	Microbial growth reduction in sewage sludge by stirred ball mill disintegration and estimation by respirometry. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 269-278.	3.2	15
43	Laccase catalysed conjugation of catechin with poly(allylamine): Solvent effect. <i>Chemical Engineering Journal</i> , 2009, 155, 810-815.	12.7	15
44	Devolatilization of coals of North-Eastern India under fluidized bed conditions in oxygen-enriched air. <i>Fuel Processing Technology</i> , 2008, 89, 1470-1478.	7.2	14
45	Synthesis of biomorphic SiC ceramics from coir fibreboard preform. <i>Ceramics International</i> , 2012, 38, 6873-6881.	4.8	14
46	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
47	Some Physical Properties and Structure Determination of Vinyl Monomer-Grafted Antheraea assama Silk Fiber. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 9338-9345.	3.7	13
48	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
49	Oxidation behavior of SiC ceramics synthesized from processed cellulosic bio-precursor. <i>Ceramics International</i> , 2012, 38, 4701-4706.	4.8	11
50	Critical impeller speed for solid suspension in turbine agitated contactors. <i>Bioprocess and Biosystems Engineering</i> , 1996, 14, 97.	0.5	11
51	Kinetics of Cholesterol Extraction Using Supercritical Carbon Dioxide with Cosolvents. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 6727-6733.	3.7	8
52	Kinetics and modeling of charge transfer polymerization of methyl methacrylate. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2009, 4, 495-507.	1.5	6
53	A Novel Method for Synthesis of Chiral Polymer Useful for Membrane Application. <i>Polymer Journal</i> , 2009, 41, 1067-1075.	2.7	6
54	Separation of norbixin from <i>Bixa orellana</i> seed raw dye by CO_2 -SFE. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 134-138.	2.3	6

#	ARTICLE	IF	CITATIONS
55	Microstructural and mechanical characterisation of biomorphic SiC ceramics synthesised from coir fibreboard preform. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 565, 72-79.	5.6	4
56	Deposition fluxes of chemical components of fog water at a rural site in north-east India. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2005, 57, 436-439.	1.6	3
57	User interactive computer program for estimation of Watson characterization factor and surface tension of undefined petroleum fractions. <i>Fuel</i> , 1991, 70, 795-797.	6.4	2
58	Mean residence time of gas in mechanically agitated gas-liquid contactors. <i>Journal of Chemical Technology and Biotechnology</i> , 1995, 63, 290-294.	3.2	1
59	ROLE OF FREE RADICAL QUENCHERS IN THE CHARGE TRANSFER POLYMERIZATION OF STYRENE AND ALKYL METHACRYLATES. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1999, 36, 759-773.	2.2	1
60	Station factors of Khonsa and Yaongyimsen seismograph stations. <i>Studia Geophysica Et Geodaetica</i> , 1985, 29, 257-268.	0.5	0
61	Travel times of P-waves in North-East India. <i>Studia Geophysica Et Geodaetica</i> , 1990, 34, 96-109.	0.5	0