

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	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
2	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
3	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
4	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
5	Separation of norbixin from <i>Bixa orellana</i> seed raw dye by <i>Aliquat</i> ®36. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 134-138.	2.3	6
6	Mahanine restores RASSF1A expression by down-regulating DNMT1 and DNMT3B in prostate cancer cells. <i>Molecular Cancer</i> , 2013, 12, 99.	19.2	93
7	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
8	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
9	Synthesis of biomorphic SiC ceramics from coir fibreboard preform. <i>Ceramics International</i> , 2012, 38, 6873-6881.	4.8	14
10	Oxidation behavior of SiC ceramics synthesized from processed cellulosic bio-precursor. <i>Ceramics International</i> , 2012, 38, 4701-4706.	4.8	11
11	Vapor of Volatile Oils from <i>Litsea cubeba</i> Seed Induces Apoptosis and Causes Cell Cycle Arrest in Lung Cancer Cells. <i>PLoS ONE</i> , 2012, 7, e47014.	2.5	44
12	Application of chemometrics to study the kinetics of coal pyrolysis: A novel approach. <i>Fuel</i> , 2011, 90, 3299-3305.	6.4	46
13	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
14	A review on devolatilization of coal in fluidized bed. <i>International Journal of Energy Research</i> , 2011, 35, 929-963.	4.5	67
15	Synthesis of SiC ceramics from processed cellulosic bio-precursor. <i>Ceramics International</i> , 2010, 36, 323-331.	4.8	27
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Kinetics and mechanism on laccase catalyzed synthesis of poly(allylamine)-catechin conjugate. <i>Chemical Engineering Journal</i> , 2010, 163, 86-92.	12.7	23
21	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
22	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
23	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
24	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
25	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
26	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
27	A long chain alkylated β -methylene- γ -butyrolactone from <i>Artabotrys odoratissimus</i> fruit. <i>Phytochemistry Letters</i> , 2009, 2, 22-24.	1.2	21
28	Laccase catalysed conjugation of catechin with poly(allylamine): Solvent effect. <i>Chemical Engineering Journal</i> , 2009, 155, 810-815.	12.7	15
29	A Novel Method for Synthesis of Chiral Polymer Useful for Membrane Application. <i>Polymer Journal</i> , 2009, 41, 1067-1075.	2.7	6
30	Some Physical Properties and Structure Determination of Vinyl Monomer-Grafted <i>Antheraea assama</i> Silk Fiber. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 9338-9345.	3.7	13
31	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
32	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
33	Study on the reactive extraction and stripping kinetics of certain β -lactam antibiotics. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 1-8.	3.6	19
34	Influence of ultrasound on diffusion through skin/leather matrix. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 2076-2083.	3.6	17
35	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
36	Kinetics of Cholesterol Extraction Using Supercritical Carbon Dioxide with Cosolvents. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 6727-6733.	3.7	8

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	Aqueous Leaching on High Sulfur Sub-bituminous Coals, in Assam, India. <i>Energy & Fuels</i> , 2006, 20, 1550-1555.	5.1	62
41	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
42	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
43	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
44	Extraction of cholesterol from cattle brain using supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2004, 32, 231-242.	3.2	19
45	Solubility of N-CBZ derivatised amino acids in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2004, 30, 119-125.	3.2	19
46	Power Ultrasound-Assisted Cleaner Leather Dyeing Technique: Influence of Process Parameters. <i>Environmental Science & Technology</i> , 2004, 38, 1616-1621.	10.0	23
47	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
48	Studies on the use of power ultrasound in leather dyeing. <i>Ultrasonics Sonochemistry</i> , 2003, 10, 85-94.	8.2	64
49	Recouping the wastewater: a way forward for cleaner leather processing. <i>Journal of Cleaner Production</i> , 2003, 11, 591-599.	9.3	94
50	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
51	Application of power ultrasound in leather processing: an eco-friendly approach. <i>Journal of Cleaner Production</i> , 2001, 9, 25-33.	9.3	53
52	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
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	Critical impeller speed for solid suspension in turbine agitated contactors. Bioprocess and Biosystems Engineering, 1996, 14, 97.	0.5	11
56	Mean residence time of gas in mechanically agitated gas-liquid contactors. Journal of Chemical Technology and Biotechnology, 1995, 63, 290-294.	3.2	1
57	Improved equation to estimate flash points of organic compounds. Journal of Hazardous Materials, 1992, 32, 81-85.	12.4	42
58	User interactive computer program for estimation of Watson characterization factor and surface tension of undefined petroleum fractions. Fuel, 1991, 70, 795-797.	6.4	2
59	Prediction of thermal hazards from fireballs. Journal of Loss Prevention in the Process Industries, 1991, 4, 344-347.	3.3	20
60	Travel times of P-waves in North-East India. Studia Geophysica Et Geodaetica, 1990, 34, 96-109.	0.5	0
61	Station factors of Khonsa and Yaongyimsen seismograph stations. Studia Geophysica Et Geodaetica, 1985, 29, 257-268.	0.5	0