

Ruckmani Kandasamy

List of Publications by Year
in descending order

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Version: 2024-02-01

102
papers

2,774
citations

147801
31
h-index

206112
48
g-index

108
all docs

108
docs citations

108
times ranked

4165
citing authors

#	ARTICLE	IF	CITATIONS
1	Phytol loaded PLGA nanoparticles ameliorate scopolamine-induced cognitive dysfunction by attenuating cholinesterase activity, oxidative stress and apoptosis in Wistar rat. Nutritional Neuroscience, 2022, 25, 485-501.	3.1	16
2	pH responsive metformin loaded zeolitic imidazolate framework (ZIF-8) for the treatment of lung cancer. Materials Technology, 2022, 37, 926-934.	3.0	13
3	Geophila repens phytosome-loaded intranasal gel with improved nasal permeation for the effective treatment of Alzheimer's disease. Journal of Drug Delivery Science and Technology, 2022, 69, 103087.	3.0	4
4	Guar gum based oral films for hypertensive urgencies. Natural Product Research, 2022, 36, 6470-6473.	1.8	1
5	Standardization, in-silico and in-vivo safety assessment of methanol extract of Ziziphus mauritiana Lam leaves. Regulatory Toxicology and Pharmacology, 2022, 131, 105144.	2.7	6
6	Design and evaluation of redox responsive disulfide containing resveratrol loaded nanocarrier anti-cancer activity in the MDA-MB-231 cell line. Materials Today Communications, 2022, 32, 103873.	1.9	1
7	Ziziphus mauritiana Lam attenuates inflammation via downregulating NF- κ B pathway in LPS-stimulated RAW 264.7 macrophages & OVA-induced airway inflammation in mice models. Journal of Ethnopharmacology, 2022, 295, 115445.	4.1	6
8	Combinatorial analysis of quercetin and resveratrol by HPTLC in <i>Sesbania grandiflora</i> /phyto-based nanoformulations. Natural Product Research, 2021, 35, 2243-2248.	1.8	4
9	<i>Mimosa pudica</i> floral nanoparticles: a potent antibiotic resistance breaker. Inorganic and Nano-Metal Chemistry, 2021, 51, 1751-1758.	1.6	13
10	Myco-nanocolloids manipulate growth, biofilm formation and virulence genes in UTI causing <i>E. coli</i> . Inorganic and Nano-Metal Chemistry, 2021, 51, 1725-1734.	1.6	13
11	Synthesis, characterization and applications of endophytic fungal nanoparticles. Inorganic and Nano-Metal Chemistry, 2021, 51, 280-287.	1.6	36
12	In vivo synergistic anti-tumor effect of lumefantrine combined with pH responsive behavior of nano calcium phosphate based lipid nanoparticles on lung cancer. European Journal of Pharmaceutical Sciences, 2021, 158, 105657.	4.0	15
13	Anti-platelet Drug-loaded Targeted Technologies for the Effective Treatment of Atherothrombosis. Current Drug Targets, 2021, 22, 399-419.	2.1	1
14	Facile fabrication and structural elucidation of lignin based macromolecular green composites for multifunctional applications. Journal of Applied Polymer Science, 2021, 138, 51280.	2.6	5
15	Recent Progress in Stimuli-Responsive Intelligent Nano Scale Drug Delivery Systems: A Special Focus Towards pH-Sensitive Systems. Current Drug Targets, 2021, 22, 947-966.	2.1	16
16	High performance thin-layer chromatography and in vitro cytotoxic studies on ethanol extract of Matricaria chamomilla L (Asteraceae) flowers. Tropical Journal of Pharmaceutical Research, 2021, 18, 1969-1976.	0.3	3
17	Liquid Chromatographic analysis of Methotrexate and Minocycline- Relevance to the determination in Plasma/Nanoparticulate formulations. Current Chromatography, 2021, 08, .	0.3	0
18	Nanoparticle-Loaded Oral Fast-Dissolving Film: New Realistic Approach of Prospective Generation in Drug Delivery - A Review. Critical Reviews in Therapeutic Drug Carrier Systems, 2021, 38, 1-35.	2.2	2

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19	Solubility Enhancement of Methotrexate by Solid Nanodispersion Approach for the Improved Treatment of Small Cell Lung Carcinoma. <i>Current Topics in Medicinal Chemistry</i> , 2021, 21, 140-150.	2.1	7
20	HPLC-ESI-QqQ based standardization, mutagenic and genotoxic potential of methanol extract of <i>Ziziphus mauritiana</i> Lam leaves. <i>Journal of Ethnopharmacology</i> , 2020, 246, 112216.	4.1	5
21	Green Nanocolloids Control Multi Drug Resistant Pathogenic Bacteria. <i>Journal of Cluster Science</i> , 2020, 31, 861-866.	3.3	34
22	<i>Passiflora caerulea</i> L. fruit extract and its metabolites ameliorate epileptic seizure, cognitive deficit and oxidative stress in pilocarpine-induced epileptic mice. <i>Metabolic Brain Disease</i> , 2020, 35, 159-173.	2.9	19
23	<i>Myxopyrum serratum</i> ameliorates airway inflammation in LPS-stimulated RAW 264.7 macrophages and OVA-induced murine model of allergic asthma. <i>Journal of Ethnopharmacology</i> , 2020, 255, 112369.	4.1	30
24	Fabrication of stimuli gated nanoformulation for site-specific delivery of thymoquinone for colon cancer treatment – Insight into thymoquinone's improved physicochemical properties. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 55, 101334.	3.0	6
25	Lactic acid-mediated isolation of alpha-, beta- and kappa-casein fractions by isoelectric precipitation coupled with cold extraction from defatted cow milk. <i>International Journal of Dairy Technology</i> , 2020, 73, 31-39.	2.8	2
26	Development of Methotrexate and Minocycline-Loaded Nanoparticles for the Effective Treatment of Rheumatoid Arthritis. <i>AAPS PharmSciTech</i> , 2020, 21, 34.	3.3	14
27	Aerosolized hyaluronic acid decorated, ferulic acid loaded chitosan nanoparticle: A promising asthma control strategy. <i>International Journal of Pharmaceutics</i> , 2020, 591, 119958.	5.2	39
28	In vitro study on aspects of molecular mechanisms underlying invasive aspergillosis caused by gliotoxin and fumagillin, alone and in combination. <i>Scientific Reports</i> , 2020, 10, 14473.	3.3	19
29	Î±-Lipoic acid nanocapsules fortified cow milk application as a dietary supplement product for anemia. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 2007-2023.	3.1	6
30	Mechanistic investigation of PPAR β -facilitated anti-asthmatic effects of Galangin (Norisalpinin): Insights from in silico and in vivo analyses. <i>Biochemical and Biophysical Research Communications</i> , 2020, 526, 833-840.	2.1	10
31	Multi potent aromatic nano colloid: synthesis, characterization and applications. <i>AMB Express</i> , 2020, 10, 168.	3.0	17
32	Novel Nanocarriers for the Treatment of Wound Healing. <i>Current Pharmaceutical Design</i> , 2020, 26, 4591-4600.	1.9	1
33	Effect of Ytterbium and Erbium co-doped NaYF ₄ @NaSmF ₄ upconversion core-shell nanoparticles on their luminescence and morphological properties. <i>Materials Research Express</i> , 2019, 6, 104004.	1.6	2
34	Development of methotrexate-loaded cubosomes with improved skin permeation for the topical treatment of rheumatoid arthritis. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 1781-1796.	3.1	25
35	pH responsive delivery of lumefantrine with calcium phosphate nanoparticles loaded lipidic cubosomes for the site specific treatment of lung cancer. <i>Chemistry and Physics of Lipids</i> , 2019, 224, 104763.	3.2	25
36	Investigations on physiochemical and third-order nonlinear optical studies on quinolinium based organic crystal. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2019, 28, 1950012.	1.8	1

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37	Design and development of artemisinin and dexamethasone loaded topical nanodispersion for the effective treatment of age-related macular degeneration. IET Nanobiotechnology, 2019, 13, 868-874.	3.8	9
38	Stabilizing effect of chitosan-poly vinyl alcohol complex on simvastatin loaded nanoformulation. International Journal of Research in Pharmaceutical Sciences, 2019, 10, 2265-2279.	0.1	0
39	Telomere DNA Binding, Cleavage and Anticancer Activity of [Cu(phendione)(Hpyramol)Cl]. Current Chemical Biology, 2019, 13, 171-182.	0.5	0
40	Phytol-loaded PLGA nanoparticle as a modulator of Alzheimer's toxic A β peptide aggregation and fibrillation associated with impaired neuronal cell function. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1-12.	2.8	26
41	Evaluation of betamethasone sodium phosphate loaded chitosan nanoparticles for anti-rheumatoid activity. IET Nanobiotechnology, 2018, 12, 6-11.	3.8	11
42	Surfactants and fatty alcohol based novel nanovesicles for resveratrol: Process optimization, characterization and evaluation of functional properties in RAW 264.7 macrophage cells. Journal of Molecular Liquids, 2018, 261, 387-396.	4.9	30
43	Biological macromolecules for ophthalmic drug delivery to treat ocular diseases. International Journal of Biological Macromolecules, 2018, 110, 7-16.	7.5	41
44	Nepafenac loaded silica nanoparticles dispersed in-situ gel systems: Development and characterization. International Journal of Biological Macromolecules, 2018, 110, 336-345.	7.5	23
45	β -Sitosterol targets Trx/Trx1 reductase to induce apoptosis in A549 cells via ROS mediated mitochondrial dysregulation and p53 activation. Scientific Reports, 2018, 8, 2071.	3.3	71
46	A novel biphenolic ligand for selective Mg 2+ and Zn 2+ ions sensing followed by colorimetric, spectroscopic and cell imaging methods. European Journal of Pharmaceutical Sciences, 2018, 116, 61-69.	4.0	7
47	Curcumin drug delivery by vanillin-chitosan coated with calcium ferrite hybrid nanoparticles as carrier. European Journal of Pharmaceutical Sciences, 2018, 116, 48-60.	4.0	86
48	Development of copolymeric nanoparticles of hypocrellin B: Enhanced phototoxic effect and ocular distribution. European Journal of Pharmaceutical Sciences, 2018, 116, 26-36.	4.0	9
49	Anti-amyloidogenic and anti-apoptotic effect of β -bisabolol against A β induced neurotoxicity in PC12 cells. European Journal of Medicinal Chemistry, 2018, 143, 1196-1207.	5.5	37
50	Development and evaluation of camptothecin loaded polymer stabilized nanoemulsion: Targeting potential in 4T1-breast tumour xenograft model. European Journal of Pharmaceutical Sciences, 2018, 116, 15-25.	4.0	17
51	Cytocompatible chitosan-graft-mPEG-based 5-fluorouracil-loaded polymeric nanoparticles for tumor-targeted drug delivery. Drug Development and Industrial Pharmacy, 2018, 44, 365-376.	2.0	16
52	Cellular imaging and folate receptor targeting delivery of gum kondagogu capped gold nanoparticles in cancer cells. International Journal of Biological Macromolecules, 2018, 109, 220-230.	7.5	43
53	Synthesis and characterization of cystamine conjugated chitosan-SS-mPEG based 5-Fluorouracil loaded polymeric nanoparticles for redox responsive drug release. European Journal of Pharmaceutical Sciences, 2018, 116, 37-47.	4.0	23
54	Evaluation of antidiabetic activity of bud and flower of Avaram Senna (Cassia auriculata L.) In high fat diet and streptozotocin induced diabetic rats. Biomedicine and Pharmacotherapy, 2018, 108, 1495-1506.	5.6	40

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55	Novel nano therapeutic materials for the effective treatment of rheumatoid arthritis-recent insights. <i>Materials Today Communications</i> , 2018, 17, 200-213.	1.9	38
56	Î±-Bisabolol loaded solid lipid nanoparticles attenuates AÎ² aggregation and protects Neuro-2a cells from AÎ² induced neurotoxicity. <i>Journal of Molecular Liquids</i> , 2018, 264, 431-441.	4.9	32
57	In vivo protective effect of geraniol on colonization of <i>Staphylococcus epidermidis</i> in rat jugular vein catheter model. <i>Pathogens and Disease</i> , 2018, 76, .	2.0	7
58	Scientific Abstracts presented at the 5th International Convention of Association of Pharmacy Professionals: Redesigning Pharmacy Education and Regulations for Translational Drug Research in India, hosted at Anna University, Centre for Excellence in Nanob. <i>European Journal of Molecular and Clinical Medicine</i> , 2017, 3, 30.	0.1	0
59	Development of Extended-Release Oral Flexible Tablet (ER-OFT) Formulation for Pediatric and Geriatric Compliance: an Age-Appropriate Formulation. <i>AAPS PharmSciTech</i> , 2017, 18, 2394-2409.	3.3	5
60	Antimicrobial and antioxidant potentials of biosynthesized colloidal zinc oxide nanoparticles for a fortified cold cream formulation: A potent nanocosmeceutical application. <i>Materials Science and Engineering C</i> , 2017, 79, 581-589.	7.3	106
61	Co-encapsulated resveratrol and quercetin in chitosan and peg modified chitosan nanoparticles: For efficient intra ocular pressure reduction. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 1837-1845.	7.5	56
62	Beta sitosterol and Daucoesterol (phytosterols identified in <i>Grewia tiliaefolia</i>) perturbs cell cycle and induces apoptotic cell death in A549 cells. <i>Scientific Reports</i> , 2017, 7, 3418.	3.3	77
63	Chitosan stabilized camptothecin nanoemulsions: Development, evaluation and biodistribution in preclinical breast cancer animal mode. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 1846-1852.	7.5	45
64	Stigmatellin Y “ An anti-biofilm compound from <i>Bacillus subtilis</i> BR4 possibly interferes in PQS“PqsR mediated quorum sensing system in <i>Pseudomonas aeruginosa</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2113-2118.	2.2	26
65	Physicochemical, thermal, pasting and microstructural characterization of commercial <i>Curcuma angustifolia</i> starch. <i>Food Hydrocolloids</i> , 2017, 67, 27-36.	10.7	48
66	Cigarette smoke and related risk factors in neurological disorders: An update. <i>Biomedicine and Pharmacotherapy</i> , 2017, 85, 79-86.	5.6	49
67	Development of Oral Flexible Tablet (OFT) Formulation for Pediatric and Geriatric Patients: a Novel Age-Appropriate Formulation Platform. <i>AAPS PharmSciTech</i> , 2017, 18, 1972-1986.	3.3	7
68	Levan: A Biocompatible Homopolysaccharide Excipient for Stabilization of Peptide Drugs. <i>International Journal of Peptide Research and Therapeutics</i> , 2017, 23, 305-311.	1.9	6
69	Atrial natriuretic peptide-conjugated chitosan-hydrazone-mPEG copolymer nanoparticles as pH-responsive carriers for intracellular delivery of prednisone. <i>Carbohydrate Polymers</i> , 2017, 157, 1677-1686.	10.2	22
70	Exploring the Anti-quorum Sensing and Antibiofilm Efficacy of Phytol against <i>Serratia marcescens</i> Associated Acute Pyelonephritis Infection in Wistar Rats. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 498.	3.9	61
71	Bronchodilatory effect of <i>Myxopyrum serratum</i> in animal model. <i>Bangladesh Journal of Pharmacology</i> , 2017, 12, 84.	0.4	1
72	Ferric reducing anti-oxidant power assay in plant extract. <i>Bangladesh Journal of Pharmacology</i> , 2016, 11, 570.	0.4	79

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73	Heterogeneous polymer composite nanoparticles loaded in situ gel for controlled release intra-vaginal therapy of genital herpes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 260-270.	5.0	34
74	Physicochemical investigations of biogenic chitosan-silver nanocomposite as antimicrobial and anticancer agent. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 77-87.	7.5	69
75	Design and development of Albizia stipulata gum based controlled-release matrix tablets in cancer therapeutics. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 972-980.	7.5	9
76	Microwave-assisted extraction of polysaccharides from <i>Cyphomandra betacea</i> and its biological activities. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 682-693.	7.5	61
77	Alpha-1 antitrypsin: Associated diseases and therapeutic uses. <i>Clinica Chimica Acta</i> , 2016, 459, 109-116.	1.1	8
78	Exploitation of novel gum <i>Prunus cerasoides</i> as mucoadhesive beads for a controlled-release drug delivery. <i>International Journal of Biological Macromolecules</i> , 2016, 85, 667-673.	7.5	10
79	Synthesis and characterization of poly (N-isopropylacrylamide)-g-carboxymethyl chitosan copolymer-based doxorubicin-loaded polymeric nanoparticles for thermoresponsive drug release. <i>Colloid and Polymer Science</i> , 2016, 294, 527-535.	2.1	31
80	Ultrafast synthesis of stabilized gold nanoparticles using aqueous fruit extract of <i>Limonia acidissima</i> L. and conjugated epirubicin: targeted drug delivery for treatment of breast cancer. <i>RSC Advances</i> , 2016, 6, 26874-26882.	3.6	25
81	Fabrication of chitosan- Fe_3O_4 magnetite nanocomposite strip for chromium removal. <i>Applied Nanoscience (Switzerland)</i> , 2016, 6, 277-285.	3.1	76
82	Recent Trends of Biocompatible and Biodegradable Nanoparticles in Drug Delivery: A Review. <i>Current Medicinal Chemistry</i> , 2016, 23, 3730-3751.	2.4	33
83	Effective Waste Water Treatment and its Management. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2016, , 312-334.	0.4	3
84	Antibacterial potentiality of antiulcer and antispasmodic drugs with selected antibiotics against methicillin resistant <i>Staphylococcus aureus</i> : <i>In vitro</i> and <i>in silico</i> studies. <i>Bangladesh Journal of Pharmacology</i> , 2015, 10, 875.	0.4	2
85	Alginate beads of Captopril using galactomannan containing <i>Senna tora</i> gum, guar gum and locust bean gum. <i>International Journal of Biological Macromolecules</i> , 2015, 76, 119-131.	7.5	29
86	Characterization and in vitro antioxidant activity of <i>Albizia stipulata</i> Boiv. gum exudates. <i>International Journal of Biological Macromolecules</i> , 2015, 80, 231-239.	7.5	29
87	Hyaluronic acid co-functionalized gold nanoparticle complex for the targeted delivery of metformin in the treatment of liver cancer (HepG2 cells). <i>Carbohydrate Polymers</i> , 2015, 128, 63-74.	10.2	79
88	A versatile effect of chitosan-silver nanocomposite for surface plasmonic photocatalytic and antibacterial activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 153, 412-422.	3.8	71
89	Synthesis and characterization of Arabic gum capped gold nanoparticles for tumor-targeted drug delivery. <i>Materials Letters</i> , 2015, 139, 241-244.	2.6	37
90	Studies on Anti microbial Potential of Non-antibiotics on Resistant Bacteria – A Review. <i>Journal of Young Pharmacists</i> , 2015, 7, 63-68.	0.2	3

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91	Physicochemical characteristics and antioxidant activity of <i>Prunus cerasoides</i> D. Don gum exudates. <i>International Journal of Biological Macromolecules</i> , 2014, 69, 192-199.	7.5	60
92	Determination of sodium hyaluronate in pharmaceutical formulations by HPLC–UV. <i>Journal of Pharmaceutical Analysis</i> , 2013, 3, 324-329.	5.3	25
93	2-(Trimethylsilyl)ethanol as a new alcohol equivalent for copper-catalyzed coupling of aryl iodides. <i>Tetrahedron Letters</i> , 2011, 52, 5338-5341.	1.4	5
94	Efficient indoles and anilines syntheses employing tert-butyl sulfonamide as ammonia surrogate. <i>Tetrahedron Letters</i> , 2011, 52, 5625-5628.	1.4	27
95	Formulation and Optimization of Zidovudine Niosomes. <i>AAPS PharmSciTech</i> , 2010, 11, 1119-1127.	3.3	206
96	Carbamic acid 2-trimethylsilylethyl ester as a new ammonia equivalent for palladium-catalyzed amination of aryl halides. <i>Tetrahedron Letters</i> , 2010, 51, 5984-5987.	1.4	10
97	Tissue Distribution, Pharmacokinetics and Stability Studies of Zidovudine Delivered by Niosomes and Proniosomes. <i>Journal of Biomedical Nanotechnology</i> , 2010, 6, 43-51.	1.1	25
98	Isatin down-regulates expression of atrial natriuretic peptide receptor A and inhibits airway inflammation in a mouse model of allergic asthma. <i>International Immunopharmacology</i> , 2010, 10, 218-225.	3.8	25
99	A simple and rapid high-performance liquid chromatographic method for the determination of bisoprolol fumarate and hydrochlorothiazide in a tablet dosage form. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 1055-1057.	2.8	52
100	Nanoparticulate Drug Delivery System of Cytarabine Hydrochloride (CTH) for Improved Treatment of Lymphoma. <i>Journal of Biomedical Nanotechnology</i> , 2007, 3, 90-96.	1.1	5
101	Transdermal therapeutic system of carvedilol: Effect of hydrophilic and hydrophobic matrix on in vitro and in vivo characteristics. <i>AAPS PharmSciTech</i> , 2007, 8, E13-E20.	3.3	98
102	Methotrexate Loaded Solid Lipid Nanoparticles (SLN) for Effective Treatment of Carcinoma. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2991-2995.	0.9	55