

Ruckmani Kandasamy

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

2,774
citations

147566

31
h-index

205818

48
g-index

108
all docs

108
docs citations

108
times ranked

4165
citing authors

#	ARTICLE	IF	CITATIONS
1	Formulation and Optimization of Zidovudine Niosomes. <i>AAPS PharmSciTech</i> , 2010, 11, 1119-1127.	1.5	206
2	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.	3.8	106
3	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.	1.5	98
4	Curcumin drug delivery by vanillin-chitosan coated with calcium ferrite hybrid nanoparticles as carrier. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 116, 48-60.	1.9	86
5	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.	5.1	79
6	Ferric reducing anti-oxidant power assay in plant extract. <i>Bangladesh Journal of Pharmacology</i> , 2016, 11, 570.	0.1	79
7	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.	1.6	77
8	Fabrication of chitosan-magnetite nanocomposite strip for chromium removal. <i>Applied Nanoscience (Switzerland)</i> , 2016, 6, 277-285.	1.6	76
9	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.	1.7	71
10	Î²-Sitosterol targets Trx/Trx1 reductase to induce apoptosis in A549 cells via ROS mediated mitochondrial dysregulation and p53 activation. <i>Scientific Reports</i> , 2018, 8, 2071.	1.6	71
11	Physicochemical investigations of biogenic chitosan-silver nanocomposite as antimicrobial and anticancer agent. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 77-87.	3.6	69
12	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.	3.6	61
13	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.	1.8	61
14	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.	3.6	60
15	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.	3.6	56
16	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
17	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.	1.4	52
18	Cigarette smoke and related risk factors in neurological disorders: An update. <i>Biomedicine and Pharmacotherapy</i> , 2017, 85, 79-86.	2.5	49

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19	Physicochemical, thermal, pasting and microstructural characterization of commercial <i>Curcuma angustifolia</i> starch. <i>Food Hydrocolloids</i> , 2017, 67, 27-36.	5.6	48
20	Chitosan stabilized camptothecin nanoemulsions: Development, evaluation and biodistribution in preclinical breast cancer animal model. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 1846-1852.	3.6	45
21	Cellular imaging and folate receptor targeting delivery of gum kondagogu capped gold nanoparticles in cancer cells. <i>International Journal of Biological Macromolecules</i> , 2018, 109, 220-230.	3.6	43
22	Biological macromolecules for ophthalmic drug delivery to treat ocular diseases. <i>International Journal of Biological Macromolecules</i> , 2018, 110, 7-16.	3.6	41
23	Evaluation of antidiabetic activity of bud and flower of <i>Avaram Senna</i> (<i>Cassia auriculata</i> L.) in high fat diet and streptozotocin induced diabetic rats. <i>Biomedicine and Pharmacotherapy</i> , 2018, 108, 1495-1506.	2.5	40
24	Aerosolized hyaluronic acid decorated, ferulic acid loaded chitosan nanoparticle: A promising asthma control strategy. <i>International Journal of Pharmaceutics</i> , 2020, 591, 119958.	2.6	39
25	Novel nano therapeutic materials for the effective treatment of rheumatoid arthritis-recent insights. <i>Materials Today Communications</i> , 2018, 17, 200-213.	0.9	38
26	Synthesis and characterization of Arabic gum capped gold nanoparticles for tumor-targeted drug delivery. <i>Materials Letters</i> , 2015, 139, 241-244.	1.3	37
27	Anti-amyloidogenic and anti-apoptotic effect of β -bisabolol against $A\beta$ induced neurotoxicity in PC12 cells. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 1196-1207.	2.6	37
28	Synthesis, characterization and applications of endophytic fungal nanoparticles. <i>Inorganic and Nano-Metal Chemistry</i> , 2021, 51, 280-287.	0.9	36
29	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.	2.5	34
30	Green Nanocolloids Control Multi Drug Resistant Pathogenic Bacteria. <i>Journal of Cluster Science</i> , 2020, 31, 861-866.	1.7	34
31	Recent Trends of Biocompatible and Biodegradable Nanoparticles in Drug Delivery: A Review. <i>Current Medicinal Chemistry</i> , 2016, 23, 3730-3751.	1.2	33
32	β -Bisabolol loaded solid lipid nanoparticles attenuates $A\beta$ aggregation and protects Neuro-2a cells from $A\beta$ induced neurotoxicity. <i>Journal of Molecular Liquids</i> , 2018, 264, 431-441.	2.3	32
33	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.	1.0	31
34	Surfactants and fatty alcohol based novel nanovesicles for resveratrol: Process optimization, characterization and evaluation of functional properties in RAW 264.7 macrophage cells. <i>Journal of Molecular Liquids</i> , 2018, 261, 387-396.	2.3	30
35	<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.	2.0	30
36	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.	3.6	29

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37	Characterization and in vitro antioxidant activity of Albizia stipulata Boiv. gum exudates. <i>International Journal of Biological Macromolecules</i> , 2015, 80, 231-239.	3.6	29
38	Efficient indoles and anilines syntheses employing tert-butyl sulfonamide as ammonia surrogate. <i>Tetrahedron Letters</i> , 2011, 52, 5625-5628.	0.7	27
39	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.	1.0	26
40	Phytol-loaded PLGA nanoparticle as a modulator of Alzheimer's toxic A β peptide aggregation and fibrillation associated with impaired neuronal cell function. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1-12.	1.9	26
41	Tissue Distribution, Pharmacokinetics and Stability Studies of Zidovudine Delivered by Niosomes and Proniosomes. <i>Journal of Biomedical Nanotechnology</i> , 2010, 6, 43-51.	0.5	25
42	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.	1.7	25
43	Determination of sodium hyaluronate in pharmaceutical formulations by HPLC"UV. <i>Journal of Pharmaceutical Analysis</i> , 2013, 3, 324-329.	2.4	25
44	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.	1.7	25
45	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.	1.6	25
46	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.	1.5	25
47	Nepafenac loaded silica nanoparticles dispersed in-situ gel systems: Development and characterization. <i>International Journal of Biological Macromolecules</i> , 2018, 110, 336-345.	3.6	23
48	Synthesis and characterization of cystamine conjugated chitosan-SS-mPEG based 5-Fluorouracil loaded polymeric nanoparticles for redox responsive drug release. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 116, 37-47.	1.9	23
49	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.	5.1	22
50	<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.	1.4	19
51	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.	1.6	19
52	Development and evaluation of camptothecin loaded polymer stabilized nanoemulsion: Targeting potential in 4T1-breast tumour xenograft model. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 116, 15-25.	1.9	17
53	Multi potent aromatic nano colloid: synthesis, characterization and applications. <i>AMB Express</i> , 2020, 10, 168.	1.4	17
54	Cytocompatible chitosan-graft-mPEG-based 5-fluorouracil-loaded polymeric nanoparticles for tumor-targeted drug delivery. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 365-376.	0.9	16

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55	Phytol loaded PLGA nanoparticles ameliorate scopolamine-induced cognitive dysfunction by attenuating cholinesterase activity, oxidative stress and apoptosis in Wistar rat. <i>Nutritional Neuroscience</i> , 2022, 25, 485-501.	1.5	16
56	Recent Progress in Stimuli-Responsive Intelligent Nano Scale Drug Delivery Systems: A Special Focus Towards pH-Sensitive Systems. <i>Current Drug Targets</i> , 2021, 22, 947-966.	1.0	16
57	In vivo synergistic anti-tumor effect of lumefantrine combined with pH responsive behavior of nano calcium phosphate based lipid nanoparticles on lung cancer. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 158, 105657.	1.9	15
58	Development of Methotrexate and Minocycline-Loaded Nanoparticles for the Effective Treatment of Rheumatoid Arthritis. <i>AAPS PharmSciTech</i> , 2020, 21, 34.	1.5	14
59	<i>Mimosa pudica</i> floral nanoparticles: a potent antibiotic resistance breaker. <i>Inorganic and Nano-Metal Chemistry</i> , 2021, 51, 1751-1758.	0.9	13
60	Myco-nanocolloids manipulate growth, biofilm formation and virulence genes in UTI causing <i>E. coli</i> . <i>Inorganic and Nano-Metal Chemistry</i> , 2021, 51, 1725-1734.	0.9	13
61	pH responsive metformin loaded zeolitic imidazolate framework (ZIF-8) for the treatment of lung cancer. <i>Materials Technology</i> , 2022, 37, 926-934.	1.5	13
62	Evaluation of betamethasone sodium phosphate loaded chitosan nanoparticles for anti-rheumatoid activity. <i>IET Nanobiotechnology</i> , 2018, 12, 6-11.	1.9	11
63	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.	0.7	10
64	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.	3.6	10
65	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.	1.0	10
66	Design and development of <i>Albizia stipulata</i> gum based controlled-release matrix tablets in cancer therapeutics. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 972-980.	3.6	9
67	Development of copolymeric nanoparticles of hypocrellin B: Enhanced phototoxic effect and ocular distribution. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 116, 26-36.	1.9	9
68	Design and development of artemisinin and dexamethasone loaded topical nanodispersion for the effective treatment of age-related macular degeneration. <i>IET Nanobiotechnology</i> , 2019, 13, 868-874.	1.9	9
69	Alpha-1 antitrypsin: Associated diseases and therapeutic uses. <i>Clinica Chimica Acta</i> , 2016, 459, 109-116.	0.5	8
70	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.	1.5	7
71	A novel biphenolic ligand for selective Mg $^{2+}$ and Zn $^{2+}$ ions sensing followed by colorimetric, spectroscopic and cell imaging methods. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 116, 61-69.	1.9	7
72	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, .	0.8	7

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73	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.	1.0	7
74	Levan: A Biocompatible Homopolysaccharide Excipient for Stabilization of Peptide Drugs. <i>International Journal of Peptide Research and Therapeutics</i> , 2017, 23, 305-311.	0.9	6
75	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.	1.4	6
76	Î±-Lipoic acid nanocapsules fortified cow milk application as a dietary supplement product for anemia. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 2007-2023.	1.6	6
77	Standardization, in-silico and in-vivo safety assessment of methanol extract of <i>Ziziphus mauritiana</i> Lam leaves. <i>Regulatory Toxicology and Pharmacology</i> , 2022, 131, 105144.	1.3	6
78	<i>Ziziphus mauritiana</i> Lam attenuates inflammation via downregulating NF-Î² pathway in LPS-stimulated RAW 264.7 macrophages & OVA-induced airway inflammation in mice models. <i>Journal of Ethnopharmacology</i> , 2022, 295, 115445.	2.0	6
79	Nanoparticulate Drug Delivery System of Cytarabine Hydrochloride (CTH) for Improved Treatment of Lymphoma. <i>Journal of Biomedical Nanotechnology</i> , 2007, 3, 90-96.	0.5	5
80	2-(Trimethylsilyl)ethanol as a new alcohol equivalent for copper-catalyzed coupling of aryl iodides. <i>Tetrahedron Letters</i> , 2011, 52, 5338-5341.	0.7	5
81	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.	1.5	5
82	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.	2.0	5
83	Facile fabrication and structural elucidation of lignin based macromolecular green composites for multifunctional applications. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51280.	1.3	5
84	Combinatorial analysis of quercetin and resveratrol by HPTLC in <i>Sesbania grandiflora</i> /phyto-based nanoformulations. <i>Natural Product Research</i> , 2021, 35, 2243-2248.	1.0	4
85	<i>Geophila repens</i> phytosome-loaded intranasal gel with improved nasal permeation for the effective treatment of Alzheimer's disease. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 69, 103087.	1.4	4
86	High performance thin-layer chromatography and in vitro cytotoxic studies on ethanol extract of <i>Matricaria chamomilla</i> L (Asteraceae) flowers. <i>Tropical Journal of Pharmaceutical Research</i> , 2021, 18, 1969-1976.	0.2	3
87	Effective Waste Water Treatment and its Management. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2016, , 312-334.	0.3	3
88	Studies on Anti microbial Potential of Non-antibiotics on Resistant Bacteria – A Review. <i>Journal of Young Pharmacists</i> , 2015, 7, 63-68.	0.1	3
89	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.	0.1	2
90	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.	0.8	2

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91	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.	1.3	2
92	Nanoparticle-Loaded Oral Fast-Dissolving Film: New Realistic Approach of Prospective Generation in Drug Delivery - A Review. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2021, 38, 1-35.	1.2	2
93	Bronchodilatory effect of <i>Myxopyrum serratum</i> in animal model. <i>Bangladesh Journal of Pharmacology</i> , 2017, 12, 84.	0.1	1
94	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.	1.1	1
95	Anti-platelet Drug-loaded Targeted Technologies for the Effective Treatment of Atherothrombosis. <i>Current Drug Targets</i> , 2021, 22, 399-419.	1.0	1
96	Novel Nanocarriers for the Treatment of Wound Healing. <i>Current Pharmaceutical Design</i> , 2020, 26, 4591-4600.	0.9	1
97	Guar gum based oral films for hypertensive urgencies. <i>Natural Product Research</i> , 2022, 36, 6470-6473.	1.0	1
98	Design and evaluation of redox responsive disulfide containing resveratrol loaded nanocarrier anti-cancer activity in the MDA-MB-231 cell line. <i>Materials Today Communications</i> , 2022, 32, 103873.	0.9	1
99	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.	0.5	0
100	Liquid Chromatographic analysis of Methotrexate and Minocycline- Relevance to the determination in Plasma/Nanoparticulate formulations. <i>Current Chromatography</i> , 2021, 08, .	0.1	0
101	Stabilizing effect of chitosan-poly vinyl alcohol complex on simvastatin loaded nanoformulation. <i>International Journal of Research in Pharmaceutical Sciences</i> , 2019, 10, 2265-2279.	0.0	0
102	Telomere DNA Binding, Cleavage and Anticancer Activity of [Cu(phendione)(Hpyramol)Cl]. <i>Current Chemical Biology</i> , 2019, 13, 171-182.	0.2	0