

Ramakrishna Sistla

List of Publications by Year in descending order

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110
papers

5,179
citations

61984

43
h-index

102487

66
g-index

112
all docs

112
docs citations

112
times ranked

7992
citing authors

#	ARTICLE	IF	CITATIONS
1	Hesperidin attenuates cisplatin-induced acute renal injury by decreasing oxidative stress, inflammation and DNA damage. <i>Phytomedicine</i> , 2013, 20, 453-460.	5.3	184
2	The development of folate-PAMAM dendrimer conjugates for targeted delivery of anti-arthritis drugs and their pharmacokinetics and biodistribution in arthritic rats. <i>Biomaterials</i> , 2007, 28, 504-512.	11.4	172
3	Xanthan gum stabilized gold nanoparticles: Characterization, biocompatibility, stability and cytotoxicity. <i>Carbohydrate Polymers</i> , 2014, 110, 1-9.	10.2	171
4	Ameliorative Effect of Fisetin on Cisplatin-Induced Nephrotoxicity in Rats via Modulation of NF- κ B Activation and Antioxidant Defence. <i>PLoS ONE</i> , 2014, 9, e105070.	2.5	153
5	Immune system: a double-edged sword in cancer. <i>Inflammation Research</i> , 2013, 62, 823-834.	4.0	140
6	Trastuzumab-grafted PAMAM dendrimers for the selective delivery of anticancer drugs to HER2-positive breast cancer. <i>Scientific Reports</i> , 2016, 6, 23179.	3.3	133
7	Design and evaluation of polymer coated carvedilol loaded solid lipid nanoparticles to improve the oral bioavailability: A novel strategy to avoid intraduodenal administration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 95, 1-9.	5.0	120
8	Naringin ameliorates gentamicin-induced nephrotoxicity and associated mitochondrial dysfunction, apoptosis and inflammation in rats: Possible mechanism of nephroprotection. <i>Toxicology and Applied Pharmacology</i> , 2014, 277, 8-20.	2.8	120
9	Encapsulation of biophenolic phytochemical EGCG within lipid nanoparticles enhances its stability and cytotoxicity against cancer. <i>Chemistry and Physics of Lipids</i> , 2016, 198, 51-60.	3.2	120
10	Natural polysaccharide functionalized gold nanoparticles as biocompatible drug delivery carrier. <i>International Journal of Biological Macromolecules</i> , 2015, 80, 48-56.	7.5	118
11	Baicalein, a Bioflavonoid, Prevents Cisplatin-Induced Acute Kidney Injury by Up-Regulating Antioxidant Defenses and Down-Regulating the MAPKs and NF- κ B Pathways. <i>PLoS ONE</i> , 2015, 10, e0134139.	2.5	113
12	Baicalein alleviates doxorubicin-induced cardiotoxicity via suppression of myocardial oxidative stress and apoptosis in mice. <i>Life Sciences</i> , 2016, 144, 8-18.	4.3	102
13	Lactoferrin bioconjugated solid lipid nanoparticles: a new drug delivery system for potential brain targeting. <i>Journal of Drug Targeting</i> , 2016, 24, 212-223.	4.4	94
14	Carnosic acid attenuates renal injury in an experimental model of rat cisplatin-induced nephrotoxicity. <i>Food and Chemical Toxicology</i> , 2011, 49, 3090-3097.	3.6	90
15	Enhanced oral bioavailability and anticancer efficacy of fisetin by encapsulating as inclusion complex with HP β CD in polymeric nanoparticles. <i>Drug Delivery</i> , 2017, 24, 224-232.	5.7	85
16	Folate coupled poly(ethyleneglycol) conjugates of anionic poly(amidoamine) dendrimer for inflammatory tissue specific drug delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 82A, 92-103.	4.0	84
17	Fisetin, a dietary flavonoid, ameliorates experimental colitis in mice: Relevance of NF- κ B signaling. <i>Journal of Nutritional Biochemistry</i> , 2016, 28, 171-182.	4.2	84
18	Emu oil based nano-emulgel for topical delivery of curcumin. <i>International Journal of Pharmaceutics</i> , 2016, 506, 222-236.	5.2	80

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19	Improving Efficacy, Oral Bioavailability, and Delivery of Paclitaxel Using Protein-Grafted Solid Lipid Nanoparticles. <i>Molecular Pharmaceutics</i> , 2016, 13, 3903-3912.	4.6	80
20	Increased brain uptake of docetaxel and ketoconazole loaded folate-grafted solid lipid nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 111-121.	3.3	78
21	Ferulic acid protects lipopolysaccharide-induced acute kidney injury by suppressing inflammatory events and upregulating antioxidant defenses in Balb/c mice. <i>Biomedicine and Pharmacotherapy</i> , 2018, 100, 304-315.	5.6	77
22	Design of multifunctional peptide collaborated and docetaxel loaded lipid nanoparticles for anti-glioma therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 132, 168-179.	4.3	77
23	Biochanin-A ameliorates pulmonary fibrosis by suppressing the TGF- β 2 mediated EMT, myofibroblasts differentiation and collagen deposition in in vitro and in vivo systems. <i>Phytomedicine</i> , 2020, 78, 153298.	5.3	77
24	Chemopreventive and therapeutic effects of nimbolide in cancer: The underlying mechanisms. <i>Toxicology in Vitro</i> , 2014, 28, 1026-1035.	2.4	76
25	Optimization of solid lipid nanoparticles prepared by a single emulsification-solvent evaporation method. <i>Data in Brief</i> , 2016, 6, 15-19.	1.0	75
26	Dendrimer-TPGS mixed micelles for enhanced solubility and cellular toxicity of taxanes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 461-468.	5.0	72
27	Peptide conjugated polymeric nanoparticles as a carrier for targeted delivery of docetaxel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 166-173.	5.0	64
28	Lymphatic system: a prospective area for advanced targeting of particulate drug carriers. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 211-229.	5.0	64
29	β -Hydroxybutyric acid grafted solid lipid nanoparticles: A novel strategy to improve drug delivery to brain. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 388-397.	3.3	59
30	Oral administration of geraniol ameliorates acute experimental murine colitis by inhibiting pro-inflammatory cytokines and NF- κ B signaling. <i>Food and Function</i> , 2015, 6, 2984-2995.	4.6	58
31	Fabrication of surfactant-stabilized nanosuspension of naringenin to surpass its poor physicochemical properties and low oral bioavailability. <i>Phytomedicine</i> , 2018, 40, 48-54.	5.3	56
32	Cationic glycolipids with cyclic and open galactose head groups for the selective targeting of genes to mouse liver. <i>Biomaterials</i> , 2009, 30, 2369-2384.	11.4	54
33	Large Amino Acid Transporter 1 Selective Liposomes of DOPA Functionalized Amphiphile for Combating Glioblastoma. <i>Molecular Pharmaceutics</i> , 2017, 14, 3834-3847.	4.6	53
34	Chromium-induced nephrotoxicity and ameliorative effect of carvedilol in rats: Involvement of oxidative stress, apoptosis and inflammation. <i>Chemico-Biological Interactions</i> , 2014, 223, 69-79.	4.0	51
35	Cyclic-RGDfK peptide conjugated succinoyl-TPGS nanomicelles for targeted delivery of docetaxel to integrin receptor over-expressing angiogenic tumours. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1511-1520.	3.3	51
36	Cardioprotective effect of embelin on isoproterenol-induced myocardial injury in rats: Possible involvement of mitochondrial dysfunction and apoptosis. <i>Life Sciences</i> , 2014, 107, 59-67.	4.3	50

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37	Bombesin conjugated solid lipid nanoparticles for improved delivery of epigallocatechin gallate for breast cancer treatment. <i>Chemistry and Physics of Lipids</i> , 2019, 224, 104770.	3.2	50
38	Silver Prussian Blue Analogue Nanoparticles: Rationally Designed Advanced Nanomedicine for Multifunctional Biomedical Applications. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 690-704.	5.2	49
39	Morin Mitigates Chronic Constriction Injury (CCI)-Induced Peripheral Neuropathy by Inhibiting Oxidative Stress Induced PARP Over-Activation and Neuroinflammation. <i>Neurochemical Research</i> , 2016, 41, 2029-2042.	3.3	48
40	Effect of metformin against cisplatin induced acute renal injury in rats: A biochemical and histoarchitectural evaluation. <i>Experimental and Toxicologic Pathology</i> , 2013, 65, 933-940.	2.1	46
41	Carnosic acid promotes myocardial antioxidant response and prevents isoproterenol-induced myocardial oxidative stress and apoptosis in mice. <i>Molecular and Cellular Biochemistry</i> , 2014, 394, 163-176.	3.1	45
42	Nanomedicines for targeted delivery of etoposide to non-small cell lung cancer using transferrin functionalized nanoparticles. <i>RSC Advances</i> , 2015, 5, 49122-49131.	3.6	45
43	p-Aminophenyl- β -D-mannopyranoside engineered lipidic nanoparticles for effective delivery of docetaxel to brain. <i>Chemistry and Physics of Lipids</i> , 2015, 188, 1-9.	3.2	45
44	PARP inhibition attenuates neuroinflammation and oxidative stress in chronic constriction injury induced peripheral neuropathy. <i>Life Sciences</i> , 2016, 150, 50-60.	4.3	44
45	Cyclic RGDfK Peptide Functionalized Polymeric Nanocarriers for Targeting Gemcitabine to Ovarian Cancer Cells. <i>Molecular Pharmaceutics</i> , 2016, 13, 1491-1500.	4.6	44
46	Synthesis and biological evaluation of some novel 1,2,3-triazole hybrids of myrrhanone B isolated from <i>Commiphora mukul</i> gum resin: Identification of potent antiproliferative leads active against prostate cancer cells (PC-3). <i>European Journal of Medicinal Chemistry</i> , 2020, 188, 111974.	5.5	43
47	Simultaneous determination of amlodipine, valsartan and hydrochlorothiazide by LC-ESI-MS/MS and its application to pharmacokinetics in rats. <i>Journal of Pharmaceutical Analysis</i> , 2014, 4, 399-406.	5.3	40
48	Adenosine conjugated lipidic nanoparticles for enhanced tumor targeting. <i>International Journal of Pharmaceutics</i> , 2015, 486, 287-296.	5.2	40
49	Lipopeptide with a RGDK Tetrapeptide Sequence Can Selectively Target Genes to Proangiogenic $\alpha_5\beta_1$ Integrin Receptor and Mouse Tumor Vasculature. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 7298-7302.	6.4	38
50	Polydatin alleviates alcohol-induced acute liver injury in mice: Relevance of matrix metalloproteinases (MMPs) and hepatic antioxidants. <i>Phytomedicine</i> , 2017, 27, 23-32.	5.3	38
51	Fisetin protects liver from binge alcohol-induced toxicity by mechanisms including inhibition of matrix metalloproteinases (MMPs) and oxidative stress. <i>Journal of Functional Foods</i> , 2016, 22, 588-601.	3.4	37
52	Stevioside, a diterpenoid glycoside, shows anti-inflammatory property against Dextran Sulphate Sodium-induced ulcerative colitis in mice. <i>European Journal of Pharmacology</i> , 2019, 855, 192-201.	3.5	37
53	lITZ-01, a novel potent lysosomotropic autophagy inhibitor, has single-agent antitumor efficacy in triple-negative breast cancer in vitro and in vivo. <i>Oncogene</i> , 2019, 38, 581-595.	5.9	36
54	Designing of fatty acid-surfactant conjugate based nanomicelles of morin hydrate for simultaneously enhancing anticancer activity and oral bioavailability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 202-211.	5.0	36

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55	N-acetyl-d-glucosamine-conjugated PAMAM dendrimers as dual receptor-targeting nanocarriers for anticancer drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 154, 377-386.	4.3	36
56	Lipid-based nanocarriers for delivery of small interfering RNA for therapeutic use. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 142, 105159.	4.0	35
57	Characterization, biorecognitive activity and stability of WGA grafted lipid nanostructures for the controlled delivery of Rifampicin. <i>Chemistry and Physics of Lipids</i> , 2015, 193, 11-17.	3.2	34
58	Protective effect of galangin against dextran sulfate sodium (DSS)-induced ulcerative colitis in Balb/c mice. <i>Inflammation Research</i> , 2019, 68, 691-704.	4.0	34
59	Bombesin-conjugated nanoparticles improve the cytotoxic efficacy of docetaxel against gastrin-releasing but androgen-independent prostate cancer. <i>Nanomedicine</i> , 2015, 10, 2847-2859.	3.3	33
60	Modulating the site-specific oral delivery of sorafenib using sugar-grafted nanoparticles for hepatocellular carcinoma treatment. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 137, 104978.	4.0	33
61	Application of Validated RP-HPLC Method for Simultaneous Determination of Docetaxel and Ketoconazole in Solid Lipid Nanoparticles. <i>Journal of Chromatographic Science</i> , 2011, 49, 136-141.	1.4	31
62	Biomedical Applications of Trastuzumab: As a Therapeutic Agent and a Targeting Ligand. <i>Medicinal Research Reviews</i> , 2015, 35, 849-876.	10.5	31
63	Rosmarinus officinalis L. extract ameliorates intestinal inflammation through MAPKs/NF- κ B signaling in a murine model of acute experimental colitis. <i>Food and Function</i> , 2016, 7, 3233-3243.	4.6	31
64	Combination strategy of PARP inhibitor with antioxidant prevent bioenergetic deficits and inflammatory changes in CCI-induced neuropathy. <i>Neuropharmacology</i> , 2017, 113, 137-147.	4.1	31
65	Emulsifying properties of gum kondagogu (<i>Cochlospermum gossypium</i>), a natural biopolymer. <i>Journal of the Science of Food and Agriculture</i> , 2009, 89, 1271-1276.	3.5	29
66	Colloidal stability and physicochemical characterization of bombesin conjugated biodegradable nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 443, 459-466.	4.7	29
67	Review on emu products for use as complementary and alternative medicine. <i>Nutrition</i> , 2015, 31, 21-27.	2.4	29
68	Curcumin potentiates the anti-arthritis effect of prednisolone in Freund's complete adjuvant-induced arthritic rats. <i>Journal of Pharmacy and Pharmacology</i> , 2013, 66, 133-144.	2.4	28
69	Solid lipid nanoparticles as vesicles for oral delivery of olmesartan medoxomil: formulation, optimization and <i>in vivo</i> evaluation. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 611-617.	2.0	28
70	Amelioration of FCA induced arthritis on topical application of curcumin in combination with emu oil. <i>Nutrition</i> , 2016, 32, 955-964.	2.4	27
71	Poly (amidoamine) dendrimer-mediated hybrid formulation for combination therapy of ramipril and hydrochlorothiazide. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 96, 84-92.	4.0	27
72	Co-encapsulated nanoparticles of Erlotinib and Quercetin for targeting lung cancer through nuclear EGFR and PI3K/AKT inhibition. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 211, 112305.	5.0	27

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73	Boswellia ovalifoliolata abrogates ROS mediated NF- κ B activation, causes apoptosis and chemosensitization in Triple Negative Breast Cancer cells. Environmental Toxicology and Pharmacology, 2014, 38, 58-70.	4.0	26
74	Combating Glioblastoma by Codelivering the Small-Molecule Inhibitor of STAT3 and STAT3siRNA with $\hat{I}\pm 5\hat{I}^21$ Integrin Receptor-Selective Liposomes. Molecular Pharmaceutics, 2020, 17, 1859-1874.	4.6	26
75	Improvement of Bioavailability and Anti-Inflammatory Potential of Curcumin in Combination with Emu Oil. Inflammation, 2014, 37, 2139-2155.	3.8	25
76	Restoration of p53 Function in Ovarian Cancer Mediated by Gold Nanoparticle-Based EGFR Targeted Gene Delivery System. ACS Biomaterials Science and Engineering, 2019, 5, 3631-3644.	5.2	25
77	Anti-inflammatory effect of stevioside abates Freund's complete adjuvant (FCA)-induced adjuvant arthritis in rats. Inflammopharmacology, 2020, 28, 1579-1597.	3.9	25
78	Galangin ameliorates Imiquimod-Induced psoriasis-like skin inflammation in BALB/c mice via down regulating NF- κ B and activation of Nrf2 signaling pathways. International Immunopharmacology, 2021, 96, 107754.	3.8	25
79	Wound healing: a new perspective on glucosylated tetrahydrocurcumin. Drug Design, Development and Therapy, 2015, 9, 3579.	4.3	24
80	Dehydrozingerone ameliorates Lipopolysaccharide induced acute respiratory distress syndrome by inhibiting cytokine storm, oxidative stress via modulating the MAPK/NF- κ B pathway. Phytomedicine, 2021, 92, 153729.	5.3	23
81	Pyrrolo[2,1-c][1,4]benzodiazepine- \hat{I}^2 -glucuronide prodrugs with a potential for selective therapy of solid tumors by PMT and ADEPT strategies. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3769-3773.	2.2	22
82	Synthesis and anti-inflammatory activity of novel triazole hybrids of (+)-usnic acid, the major dibenzofuran metabolite of the lichen Usnea longissima. Molecular Diversity, 2017, 21, 273-282.	3.9	22
83	Arbutin Attenuates Isoproterenol-Induced Cardiac Hypertrophy by Inhibiting TLR-4/NF- κ B Pathway in Mice. Cardiovascular Toxicology, 2020, 20, 235-248.	2.7	22
84	Antioxidant, hepatoprotective and cytotoxic effects of icetexanes isolated from stem-bark of Premna tomentosa. Phytomedicine, 2014, 21, 497-505.	5.3	21
85	Lagerstroemia speciosa L. Attenuates Apoptosis in Isoproterenol-Induced Cardiotoxic Mice by Inhibiting Oxidative Stress: Possible Role of Nrf2/HO-1. Cardiovascular Toxicology, 2015, 15, 10-22.	2.7	21
86	An innovative in situ method of creating hybrid dendrimer nano-assembly: An efficient next generation dendritic platform for drug delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 21, 102043.	3.3	20
87	p-Hydroxy benzoic acid-conjugated dendrimer nanotherapeutics as potential carriers for targeted drug delivery to brain: an in vitro and in vivo evaluation. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	19
88	Ethanol extract of Boswellia ovalifoliolata bark and leaf attenuates doxorubicin-induced cardiotoxicity in mice. Environmental Toxicology and Pharmacology, 2013, 36, 840-849.	4.0	17
89	Capsaicin, the pungent principle of peppers, ameliorates alcohol-induced acute liver injury in mice via modulation of matrix metalloproteinases. Canadian Journal of Physiology and Pharmacology, 2018, 96, 419-427.	1.4	17
90	Poly(ADP-ribose) polymerase inhibition reveals a potential mechanism to promote neuroprotection and treat neuropathic pain. Neural Regeneration Research, 2016, 11, 1545.	3.0	16

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91	Antioxidant and hepatoprotective effects of Boswellia ovalifoliolata bark extracts. Chinese Journal of Natural Medicines, 2014, 12, 663-671.	1.3	14
92	Acute Toxicity, Biodistribution, and Pharmacokinetics Studies of Pegylated Platinum Nanoparticles in Mouse Model. Advanced NanoBiomed Research, 2021, 1, 2000082.	3.6	11
93	Synthesis and anti-inflammatory activity of some novel pyrimidine hybrids of myrrhanone A, a bicyclic triterpene of Commiphora mukul gum resin. Monatshefte für Chemie, 2017, 148, 2183-2193.	1.8	10
94	Peptide grafted and self-assembled poly(L-glutamic acid)-phenylalanine nanoparticles targeting camptothecin to glioma. Nanomedicine, 2017, 12, 1661-1674.	3.3	10
95	Supplementation of oat (Avena sativa L.) extract abates alcohol-induced acute liver injury in a mouse model. Nutrition Research, 2018, 54, 80-92.	2.9	10
96	Synthesis and anti-inflammatory activity of 2-oxo-2H-chromenyl and 2H-chromenyl-5-oxo-2,5-dihydrofuran-3-carboxylates. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127341.	2.2	10
97	Lipid-based nanomedicines. , 2018, , 509-528.		9
98	Design, synthesis and anticancer activity of sulfenylated imidazo-fused heterocycles. Bioorganic and Medicinal Chemistry Letters, 2021, 49, 128307.	2.2	9
99	Formulation and dosage of therapeutic nanosuspension for active targeting of docetaxel (WO) Tj ETQq1 1 0.784314 rgBT /Oerlock 1	5.0	8
100	Serotonin-Functionalized Vit-E Nanomicelles for Targeting of Irinotecan to Prostate Cancer Cells. ACS Applied Bio Materials, 2020, 3, 5093-5102.	4.6	8
101	Dendrimer-based targeted drug delivery. , 2020, , 107-129.		7
102	Antiviral activity of stearylamine against chikungunya virus. Chemistry and Physics of Lipids, 2021, 235, 105049.	3.2	6
103	Simultaneous Determination of Ketoconazole, Ritonavir and Lopinavir in Solid Lipid Nanoparticles by RP-LC. Chromatographia, 2010, 71, 941-946.	1.3	4
104	Dendrimer-drug conjugates. , 2018, , 277-303.		4
105	FeTMPyP a peroxytrite decomposition catalyst ameliorated functional and behavioral deficits in chronic constriction injury induced neuropathic pain in rats. Free Radical Research, 2022, , 1-13.	3.3	4
106	Lymphatic System: A Prospective Area for Advanced Targeting of Particulate Drug Carriers. Frontiers in Nanobiomedical Research, 2016, , 363-398.	0.1	2
107	Natural Products against Drug-Induced Cardiotoxicity. , 2017, , 121-147.		2
108	Design of Eco-Friendly Gold Nanoparticles for Cancer Treatment. Methods in Molecular Biology, 2019, 1974, 215-221.	0.9	2

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109	Cyclic-RGDfK-Directed Docetaxel Loaded Nanomicelles for Angiogenic Tumor Targeting. Methods in Pharmacology and Toxicology, 2015, , 157-168.	0.2	1
110	Lipid-based delivery systems for biomedical and pharmaceutical applications. Chemistry and Physics of Lipids, 2021, 238, 105104.	3.2	1