Ruchi Bansal

List of Publications by Year
in descending order

76 papers	2,988 citations	136950 32 h-index	182427 51 g-index
80 all docs	80 docs citations	80 times ranked	4597 citing authors

#	Article	IF	Citations
1	Metal tolerance in plants: Molecular and physicochemical interface determines the â€œnot so heavy effectâ€•of heavy metals. Chemosphere, 2022, 287, 131957.	8.2	66
2	Zero Tillage, Residue Retention and System-Intensification with Legumes for Enhanced Pearl Millet Productivity and Mineral Biofortification. Sustainability, 2022, 14, 543.	3.2	13
3	Landraces-potential treasure for sustainable wheat improvement. Genetic Resources and Crop Evolution, 2022, 69, 499-523.	1.6	13
4	Lipoxygenases in chronic liver diseases: current insights and future perspectives. Trends in Pharmacological Sciences, 2022, 43, 188-205.	8.7	6
5	Src kinase as a potential therapeutic target in nonâ€alcoholic and alcoholic steatohepatitis. Clinical and Translational Discovery, 2022, 2, .	0.5	1
6	No-Tillage with Residue Retention and Foliar Sulphur Nutrition Enhances Productivity, Mineral Biofortification and Crude Protein in Rainfed Pearl Millet under Typic Haplustepts: Elucidating the Responses Imposed on an Eight-Year Long-Term Experiment. Plants, 2022, 11, 943.	3.5	13
7	Genomic analysis and finding of candidate genes for Nilaparvata lugens (stÃ¥l) resistance in Indian pigmented and other indigenous rice genotypes. Crop Protection, 2022, 156, 105959.	2.1	4
8	Lentil Breeding. , 2022, , 1181-1236.		7
9	One-Step Fabrication of Porous Membrane-Based Scaffolds by Air-Water Interfacial Phase Separation: Opportunities for Engineered Tissues. Membranes, 2022, 12, 453.	3.0	5
10	A type <scp>IV</scp> Autotaxin inhibitor ameliorates acute liver injury and nonalcoholic steatohepatitis. EMBO Molecular Medicine, 2022, 14, .	6.9	7
11	cGAS-STING effectively restricts murine norovirus infection but antagonizes the antiviral action of N-terminus of RIG-I in mouse macrophages. Gut Microbes, 2021, 13, 1959839.	9.8	16
12	Lyophilization stabilizes clinicalâ€stage coreâ€crosslinked polymeric micelles to overcome cold chain supply challenges. Biotechnology Journal, 2021, 16, e2000212.	3.5	17
13	Matrix metalloproteinase-1 decorated polymersomes, a surface-active extracellular matrix therapeutic, potentiates collagen degradation and attenuates early liver fibrosis. Journal of Controlled Release, 2021, 332, 594-607.	9.9	34
14	Growth and Antioxidant Responses in Iron-Biofortified Lentil under Cadmium Stress. Toxics, 2021, 9, 182.	3.7	13
15	Genetic Dissection of Phosphorous Uptake and Utilization Efficiency Traits Using GWAS in Mungbean. Agronomy, 2021, 11, 1401.	3.0	11
16	Genetic Dissection of Seedling Root System Architectural Traits in a Diverse Panel of Hexaploid Wheat through Multi-Locus Genome-Wide Association Mapping for Improving Drought Tolerance. International Journal of Molecular Sciences, 2021, 22, 7188.	4.1	20
17	High Mobility Group Box 1 Release by Cholangiocytes Governs Biliary Atresia Pathogenesis and Correlates With Increases in Afflicted Infants. Hepatology, 2021, 74, 864-878.	7.3	20
18	Genome-wide association mapping reveals key genomic regions for physiological and yield-related traits under salinity stress in wheat (Triticum aestivum L.). Genomics, 2021, 113, 3198-3215.	2.9	22

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19	A Review of Oxidative Stress Products and Related Genes in Early Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2021, 83, 977-1001.	2.6	34
20	Root Trait Variation in Lentil (Lens culinaris Medikus) Germplasm under Drought Stress. Plants, 2021, 10, 2410.	3.5	8
21	Genetic Variation for Traits Related to Phosphorus Use Efficiency in Lens Species at the Seedling Stage. Plants, 2021, 10, 2711.	3.5	7
22	Delivery Strategies for Skin: Comparison of Nanoliter Jets, Needles and Topical Solutions. Annals of Biomedical Engineering, 2020, 48, 2028-2039.	2.5	34
23	Rotavirus Reassortantâ€“Induced Murine Model of Liver Fibrosis Parallels Human Biliary Atresia. Hepatology, 2020, 71, 1316-1330.	7.3	12
24	FGF2 engineered SPIONs attenuate tumor stroma and potentiate the effect of chemotherapy in 3D heterospheroidal model of pancreatic tumor. Nanotheranostics, 2020, 4, 26-39.	5.2	30
25	Fibroblast growth factor 2 conjugated superparamagnetic iron oxide nanoparticles (FGF2-SPIONs) ameliorate hepatic stellate cells activation in vitro and acute liver injury in vivo. Journal of Controlled Release, 2020, 328, 640-652.	9.9	35
26	Editorial: Macrophages in Liver Disease. Frontiers in Immunology, 2020, 11, 1754.	4.8	1
27	Immune Organs and Immune Cells on a Chip: An Overview of Biomedical Applications. Micromachines, 2020, 11, 849.	2.9	37
28	Matrix Metalloproteinases as Potential Biomarkers and Therapeutic Targets in Liver Diseases. Cells, 2020, 9, 1212.	4.1	87
29	Tomographic Ultrasound and LED-Based Photoacoustic System for Preclinical Imaging. Sensors, 2020, 20, 2793.	3.8	9
30	Apoptosis-inducing peptide loaded in PLGA nanoparticles induces anti-tumor effects in vivo. International Journal of Pharmaceutics, 2020, 585, 119535.	5.2	9
31	Innate Immunity and Pathogenesis of Biliary Atresia. Frontiers in Immunology, 2020, 11, 329.	4.8	51
32	Battling IL-17, the troublemaker in alcohol-induced hepatocellular carcinoma. Journal of Hepatology, 2020, 72, 809-812.	3.7	3
33	The hepatic lipidome: From basic science to clinical translation. Advanced Drug Delivery Reviews, 2020, 159, 180-197.	13.7	37
34	Pharmacological inhibition of STAT3 pathway ameliorates acute liver injury in vivo via inactivation of inflammatory macrophages and hepatic stellate cells. FASEB BioAdvances, 2020, 2, 77-89.	2.4	20
35	Bioengineered 3D Models to Recapitulate Tissue Fibrosis. Trends in Biotechnology, 2020, 38, 623-636.	9.3	58
36	Therapeutic Targeting of Hepatic Macrophages. Current Tissue Microenvironment Reports, 2020, 1, 113-120.	3.2	0

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37	Role of spleen tyrosine kinase in liver diseases. World Journal of Gastroenterology, 2020, 26, 1005-1019.	3.3	16
38	ITGA5 inhibition in pancreatic stellate cells attenuates desmoplasia and potentiates efficacy of chemotherapy in pancreatic cancer. Science Advances, 2019, 5, eaax2770.	10.3	81
39	Engineered Relaxin as theranostic nanomedicine to diagnose and ameliorate liver cirrhosis. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 17, 106-118.	3.3	28
40	3Dâ€Bioprinted Miniâ€Brain: A Glioblastoma Model to Study Cellular Interactions and Therapeutics. Advanced Materials, 2019, 31, e1806590.	21.0	168
41	Targeting Pancreatic Stellate Cells in Cancer. Trends in Cancer, 2019, 5, 128-142.	7.4	97
42	TG101348, a selective JAK2 antagonist, ameliorates hepatic fibrogenesis in vivo. FASEB Journal, 2019, 33, 9466-9475.	0.5	16
43	Integrin Î±11 in pancreatic stellate cells regulates tumor stroma interaction in pancreatic cancer. FASEB Journal, 2019, 33, 6609-6621.	0.5	41
44	Cancer Modeling: 3Dâ€Bioprinted Miniâ€Brain: A Glioblastoma Model to Study Cellular Interactions and Therapeutics (Adv. Mater. 14/2019). Advanced Materials, 2019, 31, 1970101.	21.0	0
45	In vitro assessment of mixed matrix hemodialysis membrane for achieving endotoxin-free dialysate combined with high removal of uremic toxins from human plasma. Acta Biomaterialia, 2019, 90, 100-111.	8.3	33
46	Therapeutic Targeting of Hepatic Macrophages for the Treatment of Liver Diseases. Frontiers in Immunology, 2019, 10, 2852.	4.8	157
47	The Autotaxin - Lysophosphatidic Acid Axis as a Novel Therapeutic Target for Liver Fibrosis. OBM Hepatology and Gastroenterology, 2019, 3, 1-1.	0.0	0
48	Integrins in wound healing, fibrosis and tumor stroma: High potential targets for therapeutics and drug delivery. Advanced Drug Delivery Reviews, 2018, 129, 37-53.	13.7	145
49	Leaf transpiration plays a role in phosphorus acquisition among a large set of chickpea genotypes. Plant, Cell and Environment, 2018, 41, 2069-2079.	5.7	40
50	Cell Wall Invertase and Sucrose Synthase Regulate Sugar Metabolism During Seed Development in Isabgol (Plantago ovata Forsk.). Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2018, 88, 73-78.	1.0	2
51	Targeting the Stat6 pathway in tumorâ€associated macrophages reduces tumor growth and metastatic niche formation in breast cancer. FASEB Journal, 2018, 32, 969-978.	0.5	134
52	Inhibition of canonical WNT signaling pathway by Î²-catenin/CBP inhibitor ICG-001 ameliorates liver fibrosis in vivo through suppression of stromal CXCL12. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 804-818.	3.8	73
53	Nano-targeted relaxin impairs fibrosis and tumor growth in pancreatic cancer and improves the efficacy of gemcitabine in vivo. Journal of Controlled Release, 2018, 290, 1-10.	9.9	88
54	Therapeutic inhibition of spleen tyrosine kinase in inflammatory macrophages using PLGA nanoparticles for the treatment of non-alcoholic steatohepatitis. Journal of Controlled Release, 2018, 288, 227-238.	9.9	37

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55	The carboxylateâ€releasing phosphorusâ€mobilizing strategy can be proxied by foliar manganese concentration in a large set of chickpea germplasm under low phosphorus supply. New Phytologist, 2018, 219, 518-529.	7.3	130
56	Tyrosine kinase inhibitor BIBF1120 ameliorates inflammation, angiogenesis and fibrosis in CCl4-induced liver fibrogenesis mouse model. Scientific Reports, 2017, 7, 44545.	3.3	39
57	Drug targeting to myofibroblasts: Implications for fibrosis and cancer. Advanced Drug Delivery Reviews, 2017, 121, 101-116.	13.7	121
58	Integrin alpha 11 in the regulation of the myofibroblast phenotype: implications for fibrotic diseases. Experimental and Molecular Medicine, 2017, 49, e396-e396.	7.7	61
59	Effect of waterlogging on root anatomy and nitrogen distribution in pigeonpea (Cajanus cajan (L.)) Tj ETQq1 1 0.784314 rgBT /Overlock	0.8	4
60	Clinical Advancements in the Targeted Therapies against Liver Fibrosis. Mediators of Inflammation, 2016, 2016, 1-16.	3.0	81
61	Preclinical detection of liver fibrosis using dual-modality photoacoustic/ultrasound system. Biomedical Optics Express, 2016, 7, 5081.	2.9	32
62	The interplay of the Notch signaling in hepatic stellate cells and macrophages determines the fate of liver fibrogenesis. Scientific Reports, 2016, 5, 18272.	3.3	70
63	Prospects and progress of DNA vaccines for treating hepatitis B. Expert Review of Vaccines, 2016, 15, 629-640.	4.4	5
64	Interferon gamma peptidomimetic targeted to interstitial myofibroblasts attenuates renal fibrosis after unilateral ureteral obstruction in mice. Oncotarget, 2016, 7, 54240-54252.	1.8	19
65	Hepatitis C Virus Nonstructural 3/4A Protein Dampens Inflammation and Contributes to Slow Fibrosis Progression during Chronic Fibrosis In Vivo. PLoS ONE, 2015, 10, e0128466.	2.5	7
66	Selective delivery of IFNâ€Î³ to renal interstitial myofibroblasts: a novel strategy for the treatment of renal fibrosis. FASEB Journal, 2015, 29, 1029-1042.	0.5	70
67	Complete regression of breast tumour with a single dose of docetaxel-entrapped core-cross-linked polymeric micelles. Biomaterials, 2015, 53, 370-378.	11.4	88
68	Antioxidative responses to short term waterlogging stress in pigeon pea. Indian Journal of Plant Physiology, 2015, 20, 182-185.	0.8	5
69	Interferon gamma peptidomimetic targeted to hepatic stellate cells ameliorates acute and chronic liver fibrosis in vivo. Journal of Controlled Release, 2014, 179, 18-24.	9.9	39
70	Targeted Recombinant Fusion Proteins of IFNÎ³ and Mimetic IFNÎ³ with PDGFÎ²R Bicyclic Peptide Inhibits Liver Fibrogenesis In Vivo. PLoS ONE, 2014, 9, e89878.	2.5	23
71	Selective Targeting of Interferon Î³ to Stromal Fibroblasts and Pericytes as a Novel Therapeutic Approach to Inhibit Angiogenesis and Tumor Growth. Molecular Cancer Therapeutics, 2012, 11, 2419-2428.	4.1	46
72	Antioxidative defense system in pigeonpea roots under waterlogging stress. Acta Physiologiae Plantarum, 2012, 34, 515-522.	2.1	42

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73	Peptide-Modified Albumin Carrier Explored as a Novel Strategy for a Cell-Specific Delivery of Interferon Gamma To Treat Liver Fibrosis. Molecular Pharmaceutics, 2011, 8, 1899-1909.	4.6	43
74	PEGylation improves pharmacokinetic profile, liver uptake and efficacy of Interferon gamma in liver fibrosis. Journal of Controlled Release, 2011, 154, 233-240.	9.9	41
75	Novel engineered targeted interferon-gamma blocks hepatic fibrogenesis in mice. Hepatology, 2011, 54, 586-596.	7.3	80
76	Albumin-Binding and Tumor Vasculature Determine the Antitumor Effect of 15-Deoxy-Î”12,14-Prostaglandin-J2in vivo. Neoplasia, 2009, 11, 1348-1358.	5.3	20