

# Jai Prakash

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110  
papers

3,610  
citations

38  
h-index

53  
g-index

120  
ext. papers

4,449  
ext. citations

6.5  
avg, IF

5.84  
L-index

#	Paper	IF	Citations
110	Advancing Tumor Microenvironment Research by Combining Organs-on-Chips and Biosensors. <i>Advances in Experimental Medicine and Biology</i> , <b>2022</b> , 171-203	3.6	0
109	3D In Vitro Model (R)evolution: Unveiling Tumor-Stroma Interactions. <i>Trends in Cancer</i> , <b>2021</b> , 7, 249-264	12.5	57
108	Translating complexity and heterogeneity of pancreatic tumor: 3D in vitro to in vivo models. <i>Advanced Drug Delivery Reviews</i> , <b>2021</b> , 174, 265-293	18.5	13
107	Nanomedicine Strategies to Enhance Tumor Drug Penetration in Pancreatic Cancer. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 6313-6328	7.3	2
106	Apoptosis-inducing peptide loaded in PLGA nanoparticles induces anti-tumor effects in vivo. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 585, 119535	6.5	4
105	Role of spleen tyrosine kinase in liver diseases. <i>World Journal of Gastroenterology</i> , <b>2020</b> , 26, 1005-1019	5.6	7
104	Biomaterials for on-chip organ systems <b>2020</b> , 669-707		4
103	FGF2 engineered SPIONs attenuate tumor stroma and potentiate the effect of chemotherapy in 3D heterospheroidal model of pancreatic tumor. <i>Nanotheranostics</i> , <b>2020</b> , 4, 26-39	5.6	12
102	Fibroblast growth factor 2 conjugated superparamagnetic iron oxide nanoparticles (FGF2-SPIONs) ameliorate hepatic stellate cells activation in vitro and acute liver injury in vivo. <i>Journal of Controlled Release</i> , <b>2020</b> , 328, 640-652	11.7	11
101	Nanomedicine strategies to target coronavirus. <i>Nano Today</i> , <b>2020</b> , 35, 100961	17.9	28
100	ITGA5 inhibition in pancreatic stellate cells attenuates desmoplasia and potentiates efficacy of chemotherapy in pancreatic cancer. <i>Science Advances</i> , <b>2019</b> , 5, eaax2770	14.3	40
99	Engineered Relaxin as theranostic nanomedicine to diagnose and ameliorate liver cirrhosis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2019</b> , 17, 106-118	6	21
98	3D-Bioprinted Mini-Brain: A Glioblastoma Model to Study Cellular Interactions and Therapeutics. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806590	24	102
97	Targeting Pancreatic Stellate Cells in Cancer. <i>Trends in Cancer</i> , <b>2019</b> , 5, 128-142	12.5	56
96	Bioprinting: 3D Bioprinting: from Benches to Translational Applications (Small 23/2019). <i>Small</i> , <b>2019</b> , 15, 1970126	11	50
95	TG101348, a selective JAK2 antagonist, ameliorates hepatic fibrogenesis. <i>FASEB Journal</i> , <b>2019</b> , 33, 9466-9475	9.75	10
94	3D Bioprinting: from Benches to Translational Applications. <i>Small</i> , <b>2019</b> , 15, e1805510	11	137

93	Integrin $\alpha$ 11 in pancreatic stellate cells regulates tumor stroma interaction in pancreatic cancer. <i>FASEB Journal</i> , <b>2019</b> , 33, 6609-6621	0.9	29
92	Cancer Modeling: 3D-Bioprinted Mini-Brain: A Glioblastoma Model to Study Cellular Interactions and Therapeutics (Adv. Mater. 14/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970101	24	
91	Sonoprinting liposomes on tumor spheroids by microbubbles and ultrasound. <i>Journal of Controlled Release</i> , <b>2019</b> , 316, 79-92	11.7	14
90	Reprogramming tumor stroma using an endogenous lipid lipoxin A4 to treat pancreatic cancer. <i>Cancer Letters</i> , <b>2018</b> , 420, 247-258	9.9	37
89	Integrins in wound healing, fibrosis and tumor stroma: High potential targets for therapeutics and drug delivery. <i>Advanced Drug Delivery Reviews</i> , <b>2018</b> , 129, 37-53	18.5	81
88	Acute kidney injury in pregnancy with special reference to pregnancy-specific disorders: a hospital based study (2014-2016). <i>Journal of Nephrology</i> , <b>2018</b> , 31, 79-85	4.8	21
87	Targeting the Stat6 pathway in tumor-associated macrophages reduces tumor growth and metastatic niche formation in breast cancer. <i>FASEB Journal</i> , <b>2018</b> , 32, 969-978	0.9	81
86	Cell type-specific pharmacological kinase inhibition for cancer chemoprevention. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2018</b> , 14, 317-325	6	10
85	Nano-targeted relaxin impairs fibrosis and tumor growth in pancreatic cancer and improves the efficacy of gemcitabine in vivo. <i>Journal of Controlled Release</i> , <b>2018</b> , 290, 1-10	11.7	52
84	Therapeutic inhibition of spleen tyrosine kinase in inflammatory macrophages using PLGA nanoparticles for the treatment of non-alcoholic steatohepatitis. <i>Journal of Controlled Release</i> , <b>2018</b> , 288, 227-238	11.7	22
83	Anti-microRNA targeting using peptide-based nanocomplexes to inhibit differentiation of human pancreatic stellate cells. <i>Nanomedicine</i> , <b>2017</b> , 12, 1369-1384	5.6	20
82	Stroma-regulated HMG2 is an independent prognostic marker in PDAC and AAC. <i>British Journal of Cancer</i> , <b>2017</b> , 117, 65-77	8.7	24
81	Tyrosine kinase inhibitor BIBF1120 ameliorates inflammation, angiogenesis and fibrosis in CCl <sub>4</sub> -induced liver fibrogenesis mouse model. <i>Scientific Reports</i> , <b>2017</b> , 7, 44545	4.9	26
80	Drug targeting to myofibroblasts: Implications for fibrosis and cancer. <i>Advanced Drug Delivery Reviews</i> , <b>2017</b> , 121, 101-116	18.5	86
79	Integrin alpha 11 in the regulation of the myofibroblast phenotype: implications for fibrotic diseases. <i>Experimental and Molecular Medicine</i> , <b>2017</b> , 49, e396	12.8	33
78	Fibrosis imaging: Current concepts and future directions. <i>Advanced Drug Delivery Reviews</i> , <b>2017</b> , 121, 9-26	18.5	74
77	Nanomedicine Strategies to Target Tumor-Associated Macrophages. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	60
76	Kidney Disease in Human Immunodeficiency Virus-seropositive Patients: Absence of Human Immunodeficiency Virus-associated Nephropathy was a Characteristic Feature. <i>Indian Journal of Nephrology</i> , <b>2017</b> , 27, 271-276	0.8	5

75	Acute Kidney Injury in Pregnancy-specific Disorders. <i>Indian Journal of Nephrology</i> , <b>2017</b> , 27, 258-270	0.8	23
74	Tumor stroma-containing 3D spheroid arrays: A tool to study nanoparticle penetration. <i>Journal of Controlled Release</i> , <b>2016</b> , 244, 257-268	11.7	86
73	Differential uptake of nanoparticles by human M1 and M2 polarized macrophages: protein corona as a critical determinant. <i>Nanomedicine</i> , <b>2016</b> , 11, 2889-2902	5.6	45
72	Interferon gamma peptidomimetic targeted to interstitial myofibroblasts attenuates renal fibrosis after unilateral ureteral obstruction in mice. <i>Oncotarget</i> , <b>2016</b> , 7, 54240-54252	3.3	13
71	MicroRNA-199a and -214 as potential therapeutic targets in pancreatic stellate cells in pancreatic tumor. <i>Oncotarget</i> , <b>2016</b> , 7, 16396-408	3.3	60
70	Changing picture of acute kidney injury in pregnancy: Study of 259 cases over a period of 33 years. <i>Indian Journal of Nephrology</i> , <b>2016</b> , 26, 262-7	0.8	34
69	Clinical Advancements in the Targeted Therapies against Liver Fibrosis. <i>Mediators of Inflammation</i> , <b>2016</b> , 2016, 7629724	4.3	62
68	MicroRNA Targeting to Modulate Tumor Microenvironment. <i>Frontiers in Oncology</i> , <b>2016</b> , 6, 3	5.3	91
67	Preclinical detection of liver fibrosis using dual-modality photoacoustic/ultrasound system. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 5081-5091	3.5	27
66	Tailoring the physicochemical properties of core-crosslinked polymeric micelles for pharmaceutical applications. <i>Journal of Controlled Release</i> , <b>2016</b> , 244, 314-325	11.7	26
65	High systemic availability of core-crosslinked polymeric micelles after subcutaneous administration. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 514, 112-120	6.5	3
64	Cancer-Associated Fibroblasts: Perspectives in Cancer Therapy. <i>Trends in Cancer</i> , <b>2016</b> , 2, 277-279	12.5	46
63	A novel approach for the intravenous delivery of leuprolide using core-cross-linked polymeric micelles. <i>Journal of Controlled Release</i> , <b>2015</b> , 205, 98-108	11.7	25
62	Complete regression of breast tumour with a single dose of docetaxel-entrapped core-cross-linked polymeric micelles. <i>Biomaterials</i> , <b>2015</b> , 53, 370-8	15.6	71
61	SIRT1 inhibition in pancreatic cancer models: contrasting effects in vitro and in vivo. <i>European Journal of Pharmacology</i> , <b>2015</b> , 757, 59-67	5.3	34
60	Stromal Targets for Fluorescent-Guided Oncologic Surgery. <i>Frontiers in Oncology</i> , <b>2015</b> , 5, 254	5.3	15
59	Hepatitis C Virus Nonstructural 3/4A Protein Dampens Inflammation and Contributes to Slow Fibrosis Progression during Chronic Fibrosis In Vivo. <i>PLoS ONE</i> , <b>2015</b> , 10, e0128466	3.7	4
58	Acute kidney injury in patients with human immunodeficiency virus infection. <i>Indian Journal of Nephrology</i> , <b>2015</b> , 25, 86-90	0.8	13

57	Selective delivery of IFN- $\gamma$ to renal interstitial myofibroblasts: a novel strategy for the treatment of renal fibrosis. <i>FASEB Journal</i> , <b>2015</b> , 29, 1029-42	0.9	50
56	Non-diabetic renal disease in type 2 diabetes mellitus: Study of renal - retinal relationship. <i>Indian Journal of Nephrology</i> , <b>2015</b> , 25, 222-8	0.8	19
55	Bardet-Biedl syndrome presenting with steroid sensitive nephrotic syndrome. <i>Indian Journal of Nephrology</i> , <b>2015</b> , 25, 300-2	0.8	4
54	The interplay of the Notch signaling in hepatic stellate cells and macrophages determines the fate of liver fibrogenesis. <i>Scientific Reports</i> , <b>2015</b> , 5, 18272	4.9	51
53	Interferon gamma peptidomimetic targeted to hepatic stellate cells ameliorates acute and chronic liver fibrosis in vivo. <i>Journal of Controlled Release</i> , <b>2014</b> , 179, 18-24	11.7	28
52	Targeted recombinant fusion proteins of IFN $\gamma$ and mimetic IFN $\gamma$ with PDGFR bicyclic peptide inhibits liver fibrogenesis in vivo. <i>PLoS ONE</i> , <b>2014</b> , 9, e89878	3.7	18
51	Enhanced effectivity of an ALK5-inhibitor after cell-specific delivery to hepatic stellate cells in mice with liver injury. <i>PLoS ONE</i> , <b>2013</b> , 8, e56442	3.7	21
50	Drug targeting to the diseased liver. <i>Journal of Controlled Release</i> , <b>2012</b> , 161, 188-97	11.7	120
49	Targeted inhibition of renal Rho kinase reduces macrophage infiltration and lymphangiogenesis in acute renal allograft rejection. <i>European Journal of Pharmacology</i> , <b>2012</b> , 694, 111-9	5.3	14
48	Causes of death in renal transplant recipients with functioning allograft. <i>Indian Journal of Nephrology</i> , <b>2012</b> , 22, 264-8	0.8	29
47	Renal cortical necrosis in a live kidney donor. <i>Indian Journal of Nephrology</i> , <b>2012</b> , 22, 48-51	0.8	2
46	Specific delivery of kinase inhibitors in nonmalignant and malignant diseases. <i>Expert Opinion on Drug Delivery</i> , <b>2012</b> , 9, 59-70	8	5
45	Selective targeting of interferon $\gamma$ to stromal fibroblasts and pericytes as a novel therapeutic approach to inhibit angiogenesis and tumor growth. <i>Molecular Cancer Therapeutics</i> , <b>2012</b> , 11, 2419-28	6.1	39
44	The kidney in pregnancy: A journey of three decades. <i>Indian Journal of Nephrology</i> , <b>2012</b> , 22, 159-67	0.8	23
43	Peptide-modified albumin carrier explored as a novel strategy for a cell-specific delivery of interferon gamma to treat liver fibrosis. <i>Molecular Pharmaceutics</i> , <b>2011</b> , 8, 1899-909	5.6	38
42	PEGylation improves pharmacokinetic profile, liver uptake and efficacy of Interferon gamma in liver fibrosis. <i>Journal of Controlled Release</i> , <b>2011</b> , 154, 233-40	11.7	40
41	Increased liver uptake and reduced hepatic stellate cell activation with a cell-specific conjugate of the Rho-kinase inhibitor Y27632. <i>Pharmaceutical Research</i> , <b>2011</b> , 28, 2045-54	4.5	30
40	Novel engineered targeted interferon-gamma blocks hepatic fibrogenesis in mice. <i>Hepatology</i> , <b>2011</b> , 54, 586-96	11.2	69

39	Reduction of fibrogenesis by selective delivery of a Rho kinase inhibitor to hepatic stellate cells in mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2011</b> , 337, 628-35	4.7	46
38	Anticancer effects of 15d-prostaglandin-J2 in wild-type and doxorubicin-resistant ovarian cancer cells: novel actions on SIRT1 and HDAC. <i>PLoS ONE</i> , <b>2011</b> , 6, e25192	3.7	22
37	Non-infectious complications of continuous ambulatory peritoneal dialysis and their impact on technique survival. <i>Indian Journal of Nephrology</i> , <b>2011</b> , 21, 112-5	0.8	13
36	Acute kidney injury in late pregnancy in developing countries. <i>Renal Failure</i> , <b>2010</b> , 32, 309-13	2.9	48
35	A novel approach to deliver anticancer drugs to key cell types in tumors using a PDGF receptor-binding cyclic peptide containing carrier. <i>Journal of Controlled Release</i> , <b>2010</b> , 145, 91-101	11.7	45
34	Targeting tumor stromal cells through a PDGF-beta receptor binding carrier. <i>Journal of Controlled Release</i> , <b>2010</b> , 148, e116	11.7	4
33	Reduction of advanced liver fibrosis by short-term targeted delivery of an angiotensin receptor blocker to hepatic stellate cells in rats. <i>Hepatology</i> , <b>2010</b> , 51, 942-52	11.2	81
32	Tumor-targeted intracellular delivery of anticancer drugs through the mannose-6-phosphate/insulin-like growth factor II receptor. <i>International Journal of Cancer</i> , <b>2010</b> , 126, 1966-1981	7.5	28
31	c-Jun NH2-terminal kinase is crucially involved in renal tubulo-interstitial inflammation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2009</b> , 331, 896-905	4.7	49
30	Albumin-binding and tumor vasculature determine the antitumor effect of 15-deoxy-Delta-(12,14)-prostaglandin-J(2) in vivo. <i>Neoplasia</i> , <b>2009</b> , 11, 1348-58	6.4	18
29	Multiple myeloma--presenting as acute kidney injury. <i>Journal of the Association of Physicians of India, The</i> , <b>2009</b> , 57, 23-6	0.4	9
28	Intervention in growth factor activated signaling pathways by renally targeted kinase inhibitors. <i>Journal of Controlled Release</i> , <b>2008</b> , 132, 200-7	11.7	20
27	Inhibition of renal rho kinase attenuates ischemia/reperfusion-induced injury. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2008</b> , 19, 2086-97	12.7	56
26	Novel Therapeutic Targets for the Treatment of Tubulointerstitial Fibrosis. <i>Current Signal Transduction Therapy</i> , <b>2008</b> , 3, 97-111	0.8	4
25	Cell-specific delivery of a transforming growth factor-beta type I receptor kinase inhibitor to proximal tubular cells for the treatment of renal fibrosis. <i>Pharmaceutical Research</i> , <b>2008</b> , 25, 2427-39	4.5	38
24	Renal targeting of kinase inhibitors. <i>International Journal of Pharmaceutics</i> , <b>2008</b> , 364, 249-57	6.5	19
23	Glomerular and tubular induction of the transcription factor c-Jun in human renal disease. <i>Journal of Pathology</i> , <b>2007</b> , 213, 219-28	9.4	69
22	Decreasing incidence of renal cortical necrosis in patients with acute renal failure in developing countries: a single-centre experience of 22 years from Eastern India. <i>Nephrology Dialysis Transplantation</i> , <b>2007</b> , 22, 1213-7	4.3	76

21	Diabetic retinopathy is a poor predictor of type of nephropathy in proteinuric type 2 diabetic patients. <i>Journal of the Association of Physicians of India, The</i> , <b>2007</b> , 55, 412-6	0.4	20
20	Intracellular delivery of the p38 mitogen-activated protein kinase inhibitor SB202190 [4-(4-fluorophenyl)-2-(4-hydroxyphenyl)-5-(4-pyridyl)1H-imidazole] in renal tubular cells: a novel strategy to treat renal fibrosis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2006</b> , 319, 8-19	4.7	54
19	Delivery of the p38 MAPkinase inhibitor SB202190 to angiogenic endothelial cells: development of novel RGD-equipped and PEGylated drug-albumin conjugates using platinum(II)-based drug linker technology. <i>Bioconjugate Chemistry</i> , <b>2006</b> , 17, 1246-55	6.3	39
18	Acute renal failure in pregnancy in a developing country: twenty years of experience. <i>Renal Failure</i> , <b>2006</b> , 28, 309-13	2.9	38
17	Hypertension in pregnancy: hospital based study. <i>Journal of the Association of Physicians of India, The</i> , <b>2006</b> , 54, 273-8	0.4	19
16	Acute renal failure in the intensive care unit. <i>Journal of the Association of Physicians of India, The</i> , <b>2006</b> , 54, 784-8	0.4	12
15	Bioanalysis and pharmacokinetics of the p38 MAPkinase inhibitor SB202190 in rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2005</b> , 826, 220-5	3.2	5
14	Renal-selective delivery and angiotensin-converting enzyme inhibition by subcutaneously administered captopril-lysozyme. <i>Drug Metabolism and Disposition</i> , <b>2005</b> , 33, 683-8	4	17
13	Renal targeting of captopril using captopril-lysozyme conjugate enhances its antiproteinuric effect in adriamycin-induced nephrosis. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , <b>2004</b> , 5, 197-202	3	7
12	Mucocutaneous lesions in transplant recipient in a tropical country. <i>Transplantation Proceedings</i> , <b>2004</b> , 36, 2162-4	1.1	19
11	Acute renal failure in Plasmodium vivax malaria. <i>Journal of the Association of Physicians of India, The</i> , <b>2003</b> , 51, 265-7	0.4	46
10	Spectrum of renal diseases in the elderly: single center experience from a developing country. <i>International Urology and Nephrology</i> , <b>2001</b> , 33, 227-33	2.3	19
9	Non-diabetic renal disease in patients with type 2 diabetes mellitus. <i>Journal of the Association of Physicians of India, The</i> , <b>2001</b> , 49, 415-20	0.4	20
8	Acute renal failure complicating rifampicin therapy. <i>Journal of the Association of Physicians of India, The</i> , <b>2001</b> , 49, 877-80	0.4	8
7	Ischemic nephropathy. <i>Journal of the Association of Physicians of India, The</i> , <b>1999</b> , 47, 1100-5	0.4	
6	Renal cortical necrosis in pregnancy-related acute renal failure. <i>Journal of the Indian Medical Association</i> , <b>1996</b> , 94, 227-9		19
5	Spectrum of renal cortical necrosis in acute renal failure in eastern India. <i>Postgraduate Medical Journal</i> , <b>1995</b> , 71, 208-10	2	22
4	Acute renal failure in eastern India. <i>Nephrology Dialysis Transplantation</i> , <b>1995</b> , 10, 2009-12	4.3	15

- 3 Complications of percutaneous renal biopsy. *Journal of the Indian Medical Association*, **1994**, 92, 395-6 11
- 2 Infectious complications in renal allograft recipients. *Transplantation Proceedings*, **1992**, 24, 1943 1.1
- 1 Upper gastrointestinal mucosal lesions in chronic renal failure. *Indian Journal of Gastroenterology*, **1991**, 10, 131-2 1.9 3