

Vipul C Chitalia

List of Publications by Year in descending order

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74
papers

2,500
citations

201674

27
h-index

223800

46
g-index

75
all docs

75
docs citations

75
times ranked

4297
citing authors

#	ARTICLE	IF	CITATIONS
1	CD209L/L-SIGN and CD209/DC-SIGN Act as Receptors for SARS-CoV-2. ACS Central Science, 2021, 7, 1156-1165.	11.3	165
2	Jade-1 inhibits Wnt signalling by ubiquitylating β -catenin and mediates Wnt pathway inhibition by pVHL. Nature Cell Biology, 2008, 10, 1208-1216.	10.3	162
3	Stromal Endothelial Cells Directly Influence Cancer Progression. Science Translational Medicine, 2011, 3, 66ra5.	12.4	145
4	Segmentation of Glomeruli Within Trichrome Images Using Deep Learning. Kidney International Reports, 2019, 4, 955-962.	0.8	126
5	Association of Pathological Fibrosis With Renal Survival Using Deep Neural Networks. Kidney International Reports, 2018, 3, 464-475.	0.8	114
6	Uremic Serum and Solutes Increase Post-vascular Interventional Thrombotic Risk Through Altered Stability of Smooth Muscle Cell Tissue Factor. Circulation, 2013, 127, 365-376.	1.6	113
7	Dysfunctional endothelial cells directly stimulate cancer inflammation and metastasis. International Journal of Cancer, 2013, 133, 1334-1344.	5.1	94
8	The Aryl Hydrocarbon Receptor is a Critical Regulator of Tissue Factor Stability and an Antithrombotic Target in Uremia. Journal of the American Society of Nephrology: JASN, 2016, 27, 189-201.	6.1	88
9	Uremic Solute-Aryl Hydrocarbon Receptor-Tissue Factor Axis Associates with Thrombosis after Vascular Injury in Humans. Journal of the American Society of Nephrology: JASN, 2018, 29, 1063-1072.	6.1	76
10	Extracellular vimentin is an attachment factor that facilitates SARS-CoV-2 entry into human endothelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	75
11	Jade-1, a candidate renal tumor suppressor that promotes apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11035-11040.	7.1	68
12	A painful lesson from the COVID-19 pandemic: the need for broad-spectrum, host-directed antivirals. Journal of Translational Medicine, 2020, 18, 390.	4.4	64
13	Role of Jade-1 in the Histone Acetyltransferase (HAT) HBO1 Complex. Journal of Biological Chemistry, 2008, 283, 28817-28826.	3.4	58
14	SARS-CoV-2 Disrupts Proximal Elements in the JAK-STAT Pathway. Journal of Virology, 2021, 95, e0086221.	3.4	58
15	Smooth Muscle Cells Orchestrate the Endothelial Cell Response to Flow and Injury. Circulation, 2010, 121, 2192-2199.	1.6	53
16	Uraemic solutes as therapeutic targets in CKD-associated cardiovascular disease. Nature Reviews Nephrology, 2021, 17, 402-416.	9.6	51
17	c-Cbl, a Ubiquitin E3 Ligase That Targets Active β -Catenin. Journal of Biological Chemistry, 2013, 288, 23505-23517.	3.4	47
18	Hypoxia-induced expression of phosphocyanin-like 3 regulates expression of VEGFR-2 and promotes angiogenesis. Angiogenesis, 2015, 18, 449-462.	7.2	42

#	ARTICLE	IF	CITATIONS
19	c-Cbl: An Important Regulator and a Target in Angiogenesis and Tumorigenesis. <i>Cells</i> , 2019, 8, 498.	4.1	41
20	c-Cbl targets PD-1 in immune cells for proteasomal degradation and modulates colorectal tumor growth. <i>Scientific Reports</i> , 2019, 9, 20257.	3.3	40
21	Lysine Methylation Promotes VEGFR-2 Activation and Angiogenesis. <i>Science Signaling</i> , 2013, 6, ra104.	3.6	39
22	Targeting STUB1-tissue factor axis normalizes hyperthrombotic uremic phenotype without increasing bleeding risk. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	38
23	The c-Cbl Ubiquitin Ligase Regulates Nuclear β -Catenin and Angiogenesis by Its Tyrosine Phosphorylation Mediated through the Wnt Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2015, 290, 12537-12546.	3.4	37
24	Thrombosis in the Uremic Milieu—Emerging Role of Thrombolome. <i>Seminars in Dialysis</i> , 2015, 28, 198-205.	1.3	36
25	Predicting renal survival in primary focal glomerulosclerosis from the time of presentation. <i>Kidney International</i> , 1999, 56, 2236-2242.	5.2	34
26	Unique aspects of peripheral artery disease in patients with chronic kidney disease. <i>Vascular Medicine</i> , 2019, 24, 251-260.	1.5	33
27	TMIGD1 Is a Novel Adhesion Molecule That Protects Epithelial Cells from Oxidative Cell Injury. <i>American Journal of Pathology</i> , 2015, 185, 2757-2767.	3.8	31
28	Platelet Dysfunction and Thrombosis in JAK2 ^{V617F} -Mutated Primary Myelofibrotic Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, e262-e272.	2.4	31
29	Upregulation of lysyl oxidase and adhesion to collagen of human megakaryocytes and platelets in primary myelofibrosis. <i>Blood</i> , 2017, 130, 829-831.	1.4	30
30	Novel lysyl oxidase inhibitors attenuate hallmarks of primary myelofibrosis in mice. <i>International Journal of Hematology</i> , 2019, 110, 699-708.	1.6	29
31	Metabolites in a mouse cancer model enhance venous thrombogenicity through the aryl hydrocarbon receptor-tissue factor axis. <i>Blood</i> , 2019, 134, 2399-2413.	1.4	28
32	Hyperthrombotic Milieu in COVID-19 Patients. <i>Cells</i> , 2020, 9, 2392.	4.1	27
33	c-Cbl Expression Correlates with Human Colorectal Cancer Survival and Its Wnt/ β -Catenin Suppressor Function Is Regulated by Tyr371 Phosphorylation. <i>American Journal of Pathology</i> , 2018, 188, 1921-1933.	3.8	25
34	c-Cbl mediates the degradation of tumorigenic nuclear β -catenin contributing to the heterogeneity in Wnt activity in colorectal tumors. <i>Oncotarget</i> , 2016, 7, 71136-71150.	1.8	25
35	Advances in BK Virus Complications in Organ Transplantation and Beyond. <i>Kidney Medicine</i> , 2020, 2, 771-786.	2.0	24
36	Tryptophan metabolites suppress the Wnt pathway and promote adverse limb events in chronic kidney disease. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	23

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37	Thrombotic Microangiopathy: A Multidisciplinary Team Approach. American Journal of Kidney Diseases, 2017, 70, 715-721.	1.9	20
38	Polycystin-1 regulates the stability and ubiquitination of transcription factor Jade-1. Human Molecular Genetics, 2012, 21, 5456-5471.	2.9	17
39	Temporal and tissue-specific activation of aryl hydrocarbon receptor in discrete mouse models of kidney disease. Kidney International, 2020, 97, 538-550.	5.2	16
40	Black Patients Experience Highest Rates of Cancer-associated Venous Thromboembolism. American Journal of Clinical Oncology: Cancer Clinical Trials, 2020, 43, 94-100.	1.3	16
41	A mass spectrometric method for quantification of tryptophan-derived uremic solutes in human serum. Journal of Biological Methods, 2017, 4, e75.	0.6	16
42	Janus Kinase Signaling Pathway and Its Role in COVID-19 Inflammatory, Vascular, and Thrombotic Manifestations. Cells, 2022, 11, 306.	4.1	15
43	Molecular Mechanisms Underlying the Cardiovascular Toxicity of Specific Uremic Solutes. Cells, 2020, 9, 2024.	4.1	14
44	Intrinsic coating morphology modulates acute drug transfer in drug-coated balloon therapy. Scientific Reports, 2019, 9, 6839.	3.3	13
45	Transmembrane and Immunoglobulin Domain Containing 1, a Putative Tumor Suppressor, Induces G2/M Cell Cycle Checkpoint Arrest in Colon Cancer Cells. American Journal of Pathology, 2021, 191, 157-167.	3.8	13
46	Matrix-embedded endothelial cells are protected from the uremic milieu. Nephrology Dialysis Transplantation, 2011, 26, 3858-3865.	0.7	11
47	Racial differences in colorectal cancer survival at a safety net hospital. Cancer Epidemiology, 2017, 49, 30-37.	1.9	11
48	Haploinsufficiency of Casitas B-Lineage Lymphoma Augments the Progression of Colon Cancer in the Background of Adenomatous Polyposis Coli Inactivation. American Journal of Pathology, 2020, 190, 602-613.	3.8	8
49	Loss of MINAR2 impairs motor function and causes Parkinson's disease-like symptoms in mice. Brain Communications, 2020, 2, fcaa047.	3.3	6
50	Indoleamine 2,3-dioxygenase-1, a Novel Therapeutic Target for Post-Vascular Injury Thrombosis in CKD. Journal of the American Society of Nephrology: JASN, 2021, 32, 2834-2850.	6.1	6
51	Intravenous sodium thiosulphate for vascular calcification of hemodialysis patients: a systematic review and meta-analysis. Nephrology Dialysis Transplantation, 2023, 38, 733-745.	0.7	6
52	Understudied factors in drug-coated balloon design and evaluation: A biophysical perspective. Bioengineering and Translational Medicine, 2023, 8, .	7.1	6
53	Determinants of Hemodialysis Performance: Modeling Fluid and Solute Transport in Hollow-Fiber Dialyzers. Regenerative Engineering and Translational Medicine, 2019, 7, 291-300.	2.9	5
54	Hepatitis C virus infection in kidney transplantation: changing paradigms with novel agents. Hemodialysis International, 2018, 22, S53-S60.	0.9	4

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55	Towards minimally-invasive, quantitative assessment of chronic kidney disease using optical spectroscopy. Scientific Reports, 2019, 9, 7168.	3.3	4
56	End-stage kidney disease and COVID-19 in an urban safety-net hospital in Boston, Massachusetts. PLoS ONE, 2021, 16, e0252679.	2.5	4
57	Matrix-Embedded Endothelial Cells Attain a Progenitor-Like Phenotype. Advanced Biology, 2017, 1, 1700057.	3.0	4
58	Concurrent Presentation of Thrombotic Thrombocytopenic Purpura and Membranous Nephropathy. Kidney International Reports, 2018, 3, 476-481.	0.8	3
59	Emerging Factors Implicated in Fibrotic Organ-Associated Thrombosis: The Case of Two Organs. TH Open, 2019, 03, e165-e170.	1.4	3
60	Newly Identified Metabolites Connect Colon Cancer to Thrombosis. Blood, 2018, 132, 78-78.	1.4	2
61	Pharmacologic Manipulation of Late SV40 Factor Suppresses Wnt Signaling and Inhibits Growth of Allogeneic and Syngeneic Colon Cancer Xenografts. American Journal of Pathology, 2022, 192, 1167-1185.	3.8	2
62	Muscles Protect the Kidneys. Science Translational Medicine, 2014, 6, .	12.4	1
63	The Role of Syndecan-1 in Arterial Mechanotransduction. FASEB Journal, 2010, 24, 480.1.	0.5	1
64	±-Ketoglutarate- A New Currency of Longevity. Science Translational Medicine, 2014, 6, .	12.4	1
65	Matrix-Embedded Cells: Matrix-Embedded Endothelial Cells Attain a Progenitor-Like Phenotype (Adv. Tj ETQq] 1 0.784314 rgBT	3.0	0
66	Monoclonal IgG4/2 ⁺ Deposition Following Eculizumab Therapy for Recurrent Atypical Hemolytic Uremic Syndrome in Kidney Transplantation. Kidney Medicine, 2019, 1, 139-143.	2.0	0
67	Inflammatory Web Catches Vessels. Science Translational Medicine, 2014, 6, .	12.4	0
68	Angiotensin Blockade- A Double-Edged Sword in Renal Failure. Science Translational Medicine, 2014, 6, .	12.4	0
69	AHR: A Temple of Tolerance to Toxemia. Science Translational Medicine, 2014, 6, .	12.4	0
70	Keeping the Flow Going: FGFR1 Protects Vascular Patency by Inhibiting Occlusive Neointimal Hyperplasia. Science Translational Medicine, 2014, 6, .	12.4	0
71	A Tug of War in the Periphery. Science Translational Medicine, 2014, 6, .	12.4	0
72	Good-in-good-out: Diet modification in chronic kidney disease. Science Translational Medicine, 2015, 7, .	12.4	0

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73	Clinical factors and the role of Wnt regulators in racial disparity of metastatic colorectal cancer survival.. Journal of Clinical Oncology, 2016, 34, 6551-6551.	1.6	0
74	c-Cbl expression as a novel predictive marker of survival in patients with metastatic colorectal cancer.. Journal of Clinical Oncology, 2017, 35, e15090-e15090.	1.6	0