Anupam Agarwal

List of Publications by Year
in descending order

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83	5,063	136950	98798
papers	citations	32 h-index	67 g-index

86	86	86	6781
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td	9.1	1,430
2	Heme oxygenase-1 gene ablation or expression modulates cisplatin-induced renal tubular apoptosis. American Journal of Physiology - Renal Physiology, 2000, 278, F726-F736.	2.7	277
3	Heme oxygenase-1 mitigates ferroptosis in renal proximal tubule cells. American Journal of Physiology - Renal Physiology, 2018, 314, F702-F714.	2.7	256
4	Induction of heme oxygenase in toxic renal injury: A protective role in cisplatin nephrotoxicity in the rat. Kidney International, 1995, 48, 1298-1307.	5.2	242
5	Heme Oxygenases in Cardiovascular Health and Disease. Physiological Reviews, 2016, 96, 1449-1508.	28.8	168
6	Proximal tubule H-ferritin mediates iron trafficking in acute kidney injury. Journal of Clinical Investigation, 2013, 123, 4423-4434.	8.2	161
7	Cellular and Molecular Mechanisms of AKI. Journal of the American Society of Nephrology: JASN, 2016, 27, 1288-1299.	6.1	160
8	Heme Oxygenase-1 Inhibits Renal Tubular Macroautophagy in Acute Kidney Injury. Journal of the American Society of Nephrology: JASN, 2010, 21, 1702-1712.	6.1	144
9	Heme oxygenase-1 regulates mitochondrial quality control in the heart. JCI Insight, 2016, 1, e85817.	5.0	124
10	Heme Oxygenase 1 as a Therapeutic Target in Acute Kidney Injury. American Journal of Kidney Diseases, 2017, 69, 531-545.	1.9	115
11	Suppression by CD4+CD25+ Regulatory T Cells Is Dependent on Expression of Heme Oxygenase-1 in Antigen-Presenting Cells. American Journal of Pathology, 2008, 173, 154-160.	3.8	107
12	Heme Oxygenase-1 Deficiency Promotes Epithelial-Mesenchymal Transition and Renal Fibrosis. Journal of the American Society of Nephrology: JASN, 2008, 19, 1681-1691.	6.1	84
13	Macrophage and epithelial cell H-ferritin expression regulates renal inflammation. Kidney International, 2015, 88, 95-108.	5.2	77
14	Resident macrophages reprogram toward a developmental state after acute kidney injury. JCI Insight, 2019, 4, .	5.0	75
15	Proximal tubule-targeted heme oxygenase-1 in cisplatin-induced acute kidney injury. American Journal of Physiology - Renal Physiology, 2016, 310, F385-F394.	2.7	67
16	AKI!Now Initiative: Recommendations for Awareness, Recognition, and Management of AKI. Clinical Journal of the American Society of Nephrology: CJASN, 2020, 15, 1838-1847.	4.5	65
17	In vivo regulation of the heme oxygenase-1 gene in humanized transgenic mice. Kidney International, 2012, 82, 278-291.	5.2	62
18	Heme oxygenase-1-mediated autophagy protects against pulmonary endothelial cell death and development of emphysema in cadmium-treated mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L280-L292.	2.9	62

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19	Mitochondria-targeted heme oxygenase-1 decreases oxidative stress in renal epithelial cells. American Journal of Physiology - Renal Physiology, 2013, 305, F255-F264.	2.7	59
20	Heme Oxygenase-1 Regulates Myeloid Cell Trafficking in AKI. Journal of the American Society of Nephrology: JASN, 2015, 26, 2139-2151.	6.1	59
21	Dietary potassium regulates vascular calcification and arterial stiffness. JCI Insight, 2017, 2, .	5.0	59
22	Renal control of disease tolerance to malaria. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5681-5686.	7.1	58
23	Heme Attenuation Ameliorates Irritant Gas Inhalation-Induced Acute Lung Injury. Antioxidants and Redox Signaling, 2016, 24, 99-112.	5.4	55
24	Adaptive responses to tissue injury: role of heme oxygenase-1. Transactions of the American Clinical and Climatological Association, 2013, 124, 111-22.	0.5	54
25	Early lipid changes in acute kidney injury using SWATH lipidomics coupled with MALDI tissue imaging. American Journal of Physiology - Renal Physiology, 2016, 310, F1136-F1147.	2.7	47
26	Interleukin-1 promotes autoimmune neuroinflammation by suppressing endothelial heme oxygenase-1 at the bloodâ€“brain barrier. Acta Neuropathologica, 2020, 140, 549-567.	7.7	47
27	Targeting Iron Homeostasis in Acute Kidney Injury. Seminars in Nephrology, 2016, 36, 62-70.	1.6	40
28	Leucine-rich repeat kinase 2 deficiency is protective in rhabdomyolysis-induced kidney injury. Human Molecular Genetics, 2015, 24, 4078-4093.	2.9	39
29	Overcoming Translational Barriers in Acute Kidney Injury. Clinical Journal of the American Society of Nephrology: CJASN, 2018, 13, 1113-1123.	4.5	36
30	Dynamic signature of lymphangiogenesis during acute kidney injury and chronic kidney disease. Laboratory Investigation, 2019, 99, 1376-1388.	3.7	36
31	Enabling Innovative Translational Research in Acute Kidney Injury. Clinical and Translational Science, 2012, 5, 93-101.	3.1	35
32	Mononuclear phagocyte subpopulations in the mouse kidney. American Journal of Physiology - Renal Physiology, 2017, 312, F640-F646.	2.7	35
33	Microanatomic Distribution of Myeloid Heme Oxygenase-1 Protects against Free Radical-Mediated Immunopathology in Human Tuberculosis. Cell Reports, 2018, 25, 1938-1952.e5.	6.4	34
34	Parabiosis reveals leukocyte dynamics in the kidney. Laboratory Investigation, 2018, 98, 391-402.	3.7	33
35	Molecular Mechanism Underlying Pathogenesis of Lewisite-Induced Cutaneous Blistering and Inflammation. American Journal of Pathology, 2016, 186, 2637-2649.	3.8	32
36	New Ultrasound Techniques Promise Further Advances in AKI and CKD. Journal of the American Society of Nephrology: JASN, 2017, 28, 3452-3460.	6.1	32

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37	Cutaneous exposure to lewisite causes acute kidney injury by invoking DNA damage and autophagic response. American Journal of Physiology - Renal Physiology, 2018, 314, F1166-F1176.	2.7	30
38	Zinc Inhibits HIF-Prolyl Hydroxylase Inhibitor-Aggravated VSMC Calcification Induced by High Phosphate. Frontiers in Physiology, 2019, 10, 1584.	2.8	30
39	Recovery after Critical Illness and Acute Kidney Injury. Clinical Journal of the American Society of Nephrology: CJASN, 2021, 16, 1601-1609.	4.5	29
40	Pharmacological induction of ferritin prevents osteoblastic transformation of smooth muscle cells. Journal of Cellular and Molecular Medicine, 2016, 20, 217-230.	3.6	28
41	New insights into the role of heme oxygenase-1 in acute kidney injury. Kidney Research and Clinical Practice, 2020, 39, 387-401.	2.2	28
42	Heme Oxygenase-1 Expression in Murine Dendritic Cell Subpopulations. American Journal of Pathology, 2010, 176, 2831-2839.	3.8	26
43	A reproducible mouse model of chronic allograft nephropathy with vasculopathy. Kidney International, 2012, 82, 1231-1235.	5.2	24
44	Potential Role of H-Ferritin in Mitigating Valvular Mineralization. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 413-431.	2.4	24
45	AICAR decreases acute lung injury by phosphorylating AMPK and upregulating heme oxygenase-1. European Respiratory Journal, 2021, 58, 2003694.	6.7	22
46	Molecular Ultrasound Imaging of Tissue Inflammation Using an Animal Model of Acute Kidney Injury. Molecular Imaging and Biology, 2015, 17, 786-792.	2.6	21
47	Defining cutaneous molecular pathobiology of arsenicals using phenylarsine oxide as a prototype. Scientific Reports, 2016, 6, 34865.	3.3	21
48	Cutaneous lewisite exposure causes acute lung injury. Annals of the New York Academy of Sciences, 2020, 1479, 210-222.	3.8	20
49	Attenuated heme oxygenase-1 responses predispose the elderly to pulmonary nontuberculous mycobacterial infections. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L928-L940.	2.9	19
50	Hydrogen sulfide inhibits calcification of heart valves; implications for calcific aortic valve disease. British Journal of Pharmacology, 2020, 177, 793-809.	5.4	19
51	A Small Molecule ÃŽÂ²2 Integrin Agonist Improves Chronic Kidney Allograft Survival by Reducing Leukocyte Recruitment and Accompanying Vasculopathy. Frontiers in Medicine, 2014, 1, 45.	2.6	18
52	Expression of lactate dehydrogenase A and B isoforms in the mouse kidney. American Journal of Physiology - Renal Physiology, 2021, 320, F706-F718.	2.7	18
53	Nicotinamide Adenine Dinucleotide Biosynthetic Impairment and Urinary Metabolomic Alterations Observed in Hospitalized Adults With COVID-19â€“Related Acute Kidney Injury. Kidney International Reports, 2021, 6, 3002-3013.	0.8	17
54	Kidney-Related Research in the United States: A Position Statement From the National Kidney Foundation and the American Society of Nephrology. American Journal of Kidney Diseases, 2021, 78, 161-167.	1.9	15

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55	Heme Oxygenase-1 Protects Corexit 9500A-Induced Respiratory Epithelial Injury across Species. PLoS ONE, 2015, 10, e0122275.	2.5	15
56	The spike protein of SARS-CoV-2 induces heme oxygenase-1: Pathophysiologic implications. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166322.	3.8	15
57	Ferryl Hemoglobin Inhibits Osteoclastic Differentiation of Macrophages in Hemorrhaged Atherosclerotic Plaques. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-17.	4.0	14
58	Expression of ACE2 in the Intact and Acutely Injured Kidney. Kidney360, 2021, 2, 1095-1106.	2.1	12
59	Single-Cell RNA Sequencing of Urinary Cells Reveals Distinct Cellular Diversity in COVID-19â€“Associated AKI. Kidney360, 2022, 3, 28-36.	2.1	12
60	Kidney Disease Prevalence in Transgender Individuals. Clinical Journal of the American Society of Nephrology: CJASN, 2022, 17, 280-282.	4.5	12
61	Nitric oxide and carbon monoxide antagonize TGF-Î² through ligand-independent internalization of TÎ²R1/ALK5. American Journal of Physiology - Renal Physiology, 2014, 307, F727-F735.	2.7	10
62	VEGFR3 tyrosine kinase inhibition aggravates cisplatin nephrotoxicity. American Journal of Physiology - Renal Physiology, 2021, 321, F675-F688.	2.7	10
63	Protective role of HOâ€1 against acute kidney injury caused by cutaneous exposure to arsenicals. Annals of the New York Academy of Sciences, 2020, 1480, 155-169.	3.8	8
64	A Comprehensive Immune Cell Atlas of Cystic Kidney Disease Reveals the Involvement of Adaptive Immune Cells in Injury-Mediated Cyst Progression in Mice. Journal of the American Society of Nephrology: JASN, 2022, 33, 747-768.	6.1	8
65	Hemodiafiltration and hemodialysis differently affect P wave duration and dispersion on the surface electrocardiogram. International Urology and Nephrology, 2016, 48, 271-277.	1.4	7
66	Kidney resident macrophages in the rat have minimal turnover and replacement by blood monocytes. American Journal of Physiology - Renal Physiology, 2021, 321, F162-F169.	2.7	7
67	Expanded renal lymphatics improve recovery following kidney injury. Physiological Reports, 2021, 9, e15094.	1.7	7
68	Stepping into the Void. Clinical Journal of the American Society of Nephrology: CJASN, 2020, 15, 1832-1834.	4.5	6
69	Quantitative 3-dimensional imaging and tissue cytometry reveals lymphatic expansion in acute kidney injury. Laboratory Investigation, 2021, 101, 1186-1196.	3.7	6
70	Dynamic Regulation of the Nexus Between Stress Granules, Roquin, and Regnase-1 Underlies the Molecular Pathogenesis of Warfare Vesicants. Frontiers in Immunology, 2021, 12, 809365.	4.8	5
71	Myo-inositol oxygenase in cadmium-induced kidney injury. American Journal of Physiology - Renal Physiology, 2022, 322, F470-F472.	2.7	5
72	Orthotopic Aortic Transplantation in Mice for the Study of Vascular Disease. Journal of Visualized Experiments, 2012, , e4338.	0.3	4

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73	UAB-UCSD Oâ€™Brien Center for Acute Kidney Injury Research. American Journal of Physiology - Renal Physiology, 2021, 320, F870-F882.	2.7	4
74	Heme Oxygenase-1 as a Pharmacological Target for Host-Directed Therapy to Limit Tuberculosis Associated Immunopathology. Antioxidants, 2021, 10, 177.	5.1	3
75	Development of BRD4 inhibitors as anti-inflammatory agents and antidotes for arsenicals. Bioorganic and Medicinal Chemistry Letters, 2022, 64, 128696.	2.2	3
76	Nano-encapsulation strategies to circumvent drug-induced kidney injury and targeted nanomedicines to treat kidney diseases. Current Opinion in Toxicology, 2022, 31, 100346.	5.0	3
77	Heme Oxygenase-1 Gene Polymorphismsâ€”Toward Precision Medicine for AKI. Journal of the American Society of Nephrology: JASN, 2016, 27, 3229-3231.	6.1	2
78	Current State and Future of Research in Nephrology. Advances in Chronic Kidney Disease, 2020, 27, 305-311.e1.	1.4	2
79	Nephrologyâ€”Taking the Lead. Clinical Journal of the American Society of Nephrology: CJASN, 2021, 16, 1113-1116.	4.5	2
80	Association of cystic fibrosis transmembrane conductance regulator with epithelial sodium channel subunits carrying Liddleâ€™s syndrome mutations. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L308-L320.	2.9	2
81	Reply to Bankir: the ever-expanding role of lactate in the kidney. American Journal of Physiology - Renal Physiology, 2021, 321, F354-F354.	2.7	2
82	Cardiovascular dysfunction is caused by preâ€existing hydronephrosis in young lean, obese and diabetic Zucker rats. FASEB Journal, 2006, 20, A298.	0.5	1
83	Fostering Scientific Innovation to Impact AKI: A Roadmap from ASN's AKINow Basic Science Workgroup. Kidney360, 0, 3, 10.34067/KID.0007472021.	2.1	0