

Giuliano Ciarimboli

List of Publications by Year in descending order

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69
papers

2,999
citations

185998

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161609

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69
all docs

69
docs citations

69
times ranked

3091
citing authors

#	ARTICLE	IF	CITATIONS
1	Cisplatin Nephrotoxicity Is Critically Mediated via the Human Organic Cation Transporter 2. American Journal of Pathology, 2005, 167, 1477-1484.	1.9	392
2	Organic Cation Transporter 2 Mediates Cisplatin-Induced Oto- and Nephrotoxicity and Is a Target for Protective Interventions. American Journal of Pathology, 2010, 176, 1169-1180.	1.9	366
3	Oxaliplatin-induced neurotoxicity is dependent on the organic cation transporter OCT2. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11199-11204.	3.3	149
4	Proximal Tubular Secretion of Creatinine by Organic Cation Transporter OCT2 in Cancer Patients. Clinical Cancer Research, 2012, 18, 1101-1108.	3.2	133
5	A phosphotyrosine switch regulates organic cation transporters. Nature Communications, 2016, 7, 10880.	5.8	100
6	Regulation of organic cation transport. Pflugers Archiv European Journal of Physiology, 2005, 449, 423-441.	1.3	91
7	Individual PKC-Phosphorylation Sites in Organic Cation Transporter 1 Determine Substrate Selectivity and Transport Regulation. Journal of the American Society of Nephrology: JASN, 2005, 16, 1562-1570.	3.0	87
8	Membrane transporters as mediators of cisplatin side-effects. Anticancer Research, 2014, 34, 547-50.	0.5	85
9	New Clues for Nephrotoxicity Induced by Ifosfamide: Preferential Renal Uptake via the Human Organic Cation Transporter 2. Molecular Pharmaceutics, 2011, 8, 270-279.	2.3	84
10	Mitigation of acute kidney injury by cell-cycle inhibitors that suppress both CDK4/6 and OCT2 functions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5231-5236.	3.3	84
11	Regulation of human organic cation transporter hOCT2 by PKA, PI3K, and calmodulin-dependent kinases. American Journal of Physiology - Renal Physiology, 2003, 284, F293-F302.	1.3	83
12	Regulation of the human organic cation transporter hOCT1. Journal of Cellular Physiology, 2004, 201, 420-428.	2.0	80
13	Role of transporters in the distribution of platinum-based drugs. Frontiers in Pharmacology, 2015, 6, 85.	1.6	79
14	Role of organic cation transporters in drug-induced toxicity. Expert Opinion on Drug Metabolism and Toxicology, 2011, 7, 159-174.	1.5	70
15	Quantitative bioimaging of platinum in polymer embedded mouse organs using laser ablation ICP-MS. Metallomics, 2013, 5, 1440.	1.0	67
16	Human <i>OCT2</i> variant c.808G>T confers protection effect against cisplatin-induced ototoxicity. Pharmacogenomics, 2015, 16, 323-332.	0.6	67
17	Cisplatin-Induced Renal Injury Is Independently Mediated by OCT2 and p53. Clinical Cancer Research, 2014, 20, 4026-4035.	3.2	63
18	Membrane Transporters as Mediators of Cisplatin Effects and Side Effects. Scientifica, 2012, 2012, 1-18.	0.6	62

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19	Characterization of regulatory mechanisms and states of human organic cation transporter 2. American Journal of Physiology - Cell Physiology, 2006, 290, C1521-C1531.	2.1	61
20	The proteome microenvironment determines the protective effect of preconditioning in cisplatin-induced acute kidney injury. Kidney International, 2019, 95, 333-349.	2.6	55
21	The cysteines of the extracellular loop are crucial for trafficking of human organic cation transporter 2 to the plasma membrane and are involved in oligomerization. FASEB Journal, 2012, 26, 976-986.	0.2	54
22	Organic cation transporters OCT1, 2, and 3 mediate high-affinity transport of the mutagenic vital dye ethidium in the kidney proximal tubule. American Journal of Physiology - Renal Physiology, 2009, 296, F1504-F1513.	1.3	52
23	Substrate- and Cell Contact-Dependent Inhibitor Affinity of Human Organic Cation Transporter 2: Studies with Two Classical Organic Cation Substrates and the Novel Substrate Cd ²⁺ . Molecular Pharmaceutics, 2013, 10, 3045-3056.	2.3	46
24	Pharmacogenetics of drug-induced ototoxicity caused by aminoglycosides and cisplatin. Pharmacogenomics, 2017, 18, 1683-1695.	0.6	43
25	The organic cation transporter 3 (OCT3) as molecular target of psychotropic drugs: transport characteristics and acute regulation of cloned murine OCT3. Pflugers Archiv European Journal of Physiology, 2014, 466, 517-527.	1.3	38
26	Protein Abundance of Clinically Relevant Drug Transporters in The Human Kidneys. International Journal of Molecular Sciences, 2019, 20, 5303.	1.8	34
27	The Role of Transporters in the Toxicity of Chemotherapeutic Drugs: Focus on Transporters for Organic Cations. Journal of Clinical Pharmacology, 2016, 56, S157-72.	1.0	32
28	Saving ears and kidneys from cisplatin. Anticancer Research, 2013, 33, 4183-8.	0.5	31
29	LA-ICP-TOF-MS for rapid, all-elemental and quantitative bioimaging, isotopic analysis and the investigation of plasma processes. Journal of Analytical Atomic Spectrometry, 2019, 34, 694-701.	1.6	30
30	Transport Mechanisms and Their Pathology-Induced Regulation Govern Tyrosine Kinase Inhibitor Delivery in Rheumatoid Arthritis. PLoS ONE, 2012, 7, e52247.	1.1	25
31	Quantitative Bioimaging of Platinum via Online Isotope Dilution-Laser Ablation-Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2018, 90, 7033-7039.	3.2	23
32	Properties and regulation of organic cation transport in freshly isolated mouse proximal tubules analyzed with a fluorescence reader-based method. Pflugers Archiv European Journal of Physiology, 2011, 462, 359-369.	1.3	22
33	Tetraspanin CD63 controls basolateral sorting of organic cation transporter 2 in renal proximal tubules. FASEB Journal, 2017, 31, 1421-1433.	0.2	21
34	Interaction of the New Monofunctional Anticancer Agent Phenanthriplatin With Transporters for Organic Cations. Frontiers in Chemistry, 2018, 6, 180.	1.8	21
35	Identification of cysteines in rat organic cation transporters rOCT1 (C322, C451) and rOCT2 (C451) critical for transport activity and substrate affinity. American Journal of Physiology - Renal Physiology, 2007, 293, F767-F779.	1.3	20
36	Regulation of Organic Cation Transport in Isolated Mouse Proximal Tubules Involves Complex Changes in Protein Trafficking and Substrate Affinity. Cellular Physiology and Biochemistry, 2012, 30, 269-281.	1.1	17

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37	Notch Signaling Activity Determines Uptake and Biological Effect of Imatinib in Systemic Sclerosis Dermal Fibroblasts. <i>Journal of Investigative Dermatology</i> , 2019, 139, 439-447.	0.3	17
38	Mouse organic cation transporter 1 determines properties and regulation of basolateral organic cation transport in renal proximal tubules. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 1581-1589.	1.3	16
39	An integrative approach to cisplatin chronic toxicities in mice reveals importance of organic cation-transporter-dependent protein networks for renoprotection. <i>Archives of Toxicology</i> , 2019, 93, 2835-2848.	1.9	16
40	Organic cation transporter 3 mediates cisplatin and copper cross-resistance in hepatoma cells. <i>Oncotarget</i> , 2018, 9, 743-754.	0.8	16
41	Kidney Transplantation Down-Regulates Expression of Organic Cation Transporters, Which Translocate I^2 -Blockers and Fluoroquinolones. <i>Molecular Pharmaceutics</i> , 2013, 10, 2370-2380.	2.3	14
42	Importance of the novel organic cation transporter 1 for tyrosine kinase inhibition by saracatinib in rheumatoid arthritis synovial fibroblasts. <i>Scientific Reports</i> , 2017, 7, 1258.	1.6	14
43	Tofacitinib and Baricitinib Are Taken up by Different Uptake Mechanisms Determining the Efficacy of Both Drugs in RA. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6632.	1.8	13
44	IFITM3 Interacts with the HBV/HDV Receptor NTCP and Modulates Virus Entry and Infection. <i>Viruses</i> , 2022, 14, 727.	1.5	11
45	Cimetidine as an Organic Cation Transporter Antagonist. <i>American Journal of Pathology</i> , 2010, 177, 1573-1574.	1.9	10
46	Anticancer Platinum Drugs Update. <i>Biomolecules</i> , 2021, 11, 1637.	1.8	10
47	Assessing the intracellular concentration of platinum in medulloblastoma cell lines after Cisplatin incubation. <i>Journal of Trace Elements in Medicine and Biology</i> , 2014, 28, 166-172.	1.5	9
48	Identification of the Tetraspanin CD9 as an Interaction Partner of Organic Cation Transporters 1 and 2. <i>SLAS Discovery</i> , 2019, 24, 904-914.	1.4	9
49	Effects of Single Nucleotide Polymorphism Ala270Ser (rs316019) on the Function and Regulation of hOCT2. <i>Biomolecules</i> , 2019, 9, 578.	1.8	9
50	Rapid Regulation of Human Multidrug and Extrusion Transporters hMATE1 and hMATE2K. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5157.	1.8	8
51	Cetirizine Reduces Gabapentin Plasma Concentrations and Effect: Role of Renal Drug Transporters for Organic Cations. <i>Journal of Clinical Pharmacology</i> , 2020, 60, 1076-1086.	1.0	8
52	Properties of Transport Mediated by the Human Organic Cation Transporter 2 Studied in a Polarized Three-Dimensional Epithelial Cell Culture Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9658.	1.8	7
53	Expression and Function of Organic Cation Transporter 2 in Pancreas. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 688885.	1.8	6
54	Introduction to the Cellular Transport of Organic Cations. , 2016, , 1-47.		6

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55	Organic Cation Transport Measurements Using Fluorescence Techniques. <i>Neuromethods</i> , 2016, , 173-187.	0.2	5
56	Contribution and Expression of Organic Cation Transporters and Aquaporin Water Channels in Renal Cancer. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2020, , 1.	0.9	4
57	Regulation Mechanisms of Expression and Function of Organic Cation Transporter 1. <i>Frontiers in Pharmacology</i> , 2020, 11, 607613.	1.6	4
58	TrkC Is Essential for Nephron Function and Trans-Activates Igf1R Signaling. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 357-374.	3.0	4
59	The role of cholesterol recognition (CARC/CRAC) mirror codes in the allostereism of the human organic cation transporter 2 (OCT2, SLC22A2). <i>Biochemical Pharmacology</i> , 2021, 194, 114840.	2.0	4
60	Case Report and Supporting Documentation: Acute Kidney Injury Manifested as Oliguria Is Reduced by Intravenous Magnesium Before Cisplatin. <i>Frontiers in Oncology</i> , 2021, 11, 607574.	1.3	3
61	Role of Organic Cation Transporter 2 in Autophagy Induced by Platinum Derivatives. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1090.	1.8	2
62	Impact of Pals1 on Expression and Localization of Transporters Belonging to the Solute Carrier Family. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 792829.	1.6	2
63	Physiology, Biochemistry and Pharmacology of Transporters for Organic Cations 2.0. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6328.	1.8	2
64	Organic Cation Transporters 2 as Mediators of Cisplatin Nephrotoxicity. , 2009, , 353-358.		1
65	In reference to <i>Immunohistochemical localization of</i><sc><i>OCT</i></sc><i>2</i> in the cochlea of various species</i>. <i>Laryngoscope</i> , 2016, 126, E231.	1.1	1
66	Editorial: Mitochondria in Renal Health and Disease. <i>Frontiers in Physiology</i> , 2021, 12, 707175.	1.3	1
67	Physiology, Biochemistry, and Pharmacology of Transporters for Organic Cations. <i>International Journal of Molecular Sciences</i> , 2021, 22, 732.	1.8	0
68	Fishing for protective compounds. <i>ELife</i> , 2020, 9, .	2.8	0
69	Editorial: Mitochondria in Renal Health and Disease, Volume II. <i>Frontiers in Physiology</i> , 2021, 12, 818421.	1.3	0