

Kwang-jin Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1219548/publications.pdf>

Version: 2024-02-01

78
papers

3,330
citations

156536

32
h-index

169272

56
g-index

79
all docs

79
docs citations

79
times ranked

3550
citing authors

#	ARTICLE	IF	CITATIONS
1	Biokinetic modeling of nanoparticle interactions with lung alveolar epithelial cells: uptake, intracellular processing, and egress. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R36-R43.	0.9	4
2	Characteristics of Passive Solute Transport across Primary Rat Alveolar Epithelial Cell Monolayers. <i>Membranes</i> , 2021, 11, 331.	1.4	4
3	Biokinetic Modeling of Nanoparticle Interactions with Lung Alveolar Epithelial Cells. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
4	In vitro and ex vivo models in inhalation biopharmaceutical research – advances, challenges and future perspectives. <i>Advanced Drug Delivery Reviews</i> , 2021, 177, 113862.	6.6	38
5	Evidence for Nanoparticle-Induced Lysosomal Dysfunction in Lung Adenocarcinoma (A549) Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5253.	1.8	19
6	Alveolar epithelial cell processing of nanoparticles activates autophagy and lysosomal exocytosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L286-L300.	1.3	13
7	Interactions of Inhaled Nanoparticles with Rat Alveolar Epithelial Cell Monolayers. <i>FASEB Journal</i> , 2018, 32, 745.3.	0.2	0
8	Oligopeptide Transport in Rat Lung Alveolar Epithelial Cells is Mediated by Pept2. <i>Pharmaceutical Research</i> , 2017, 34, 2488-2497.	1.7	5
9	Knockout Mice Reveal a Major Role for Alveolar Epithelial Type I Cells in Alveolar Fluid Clearance. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 395-406.	1.4	24
10	Claudin 4 knockout mice: normal physiological phenotype with increased susceptibility to lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 307, L524-L536.	1.3	70
11	Knockout Mice Reveal Key Roles for Claudin 18 in Alveolar Barrier Properties and Fluid Homeostasis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 51, 210-222.	1.4	70
12	Cytosolic calcium regulates nanoparticle egress from alveolar epithelial cells (780.11). <i>FASEB Journal</i> , 2014, 28, 780.11.	0.2	0
13	Polystyrene nanoparticle exposure induces ion-selective pores in lipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2215-2222.	1.4	19
14	Effect of surfactants on polystyrene nanoparticle (PNP) interactions with primary rat alveolar epithelial cell monolayers (RAECM). <i>FASEB Journal</i> , 2013, 27, 722.5.	0.2	0
15	Nanodiamond (ND) interactions with primary rat alveolar epithelial cell monolayers (RAECM). <i>FASEB Journal</i> , 2013, 27, 722.6.	0.2	0
16	Role of sodium pump α 1 subunit in adult mouse lung alveolar fluid homeostasis. <i>FASEB Journal</i> , 2012, 26, 1069.6.	0.2	1
17	Translocation of PEGylated quantum dots across rat alveolar epithelial cell monolayers. <i>International Journal of Nanomedicine</i> , 2011, 6, 2849.	3.3	12
18	Polystyrene nanoparticle trafficking across MDCK-II. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 588-594.	1.7	58

#	ARTICLE	IF	CITATIONS
19	Nanomaterial interactions with and trafficking across the lung alveolar epithelial barrier: implications for health effects of air-pollution particles. <i>Air Quality, Atmosphere and Health</i> , 2011, 4, 65-78.	1.5	22
20	Alveolar Epithelial Cell Injury Due to Zinc Oxide Nanoparticle Exposure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 1398-1409.	2.5	90
21	Mechanisms of Alveolar Epithelial Translocation of a Defined Population of Nanoparticles. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 42, 604-614.	1.4	111
22	The Particle has Landedâ€”Characterizing the Fate of Inhaled Pharmaceuticals. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2010, 23, S-71-S-87.	0.7	191
23	Heteropore Characteristics of Type I and Type II Like Rat Alveolar Epithelial Cell Monolayers. <i>FASEB Journal</i> , 2010, 24, .	0.2	0
24	Characterization of mouse alveolar epithelial cell monolayers. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009, 296, L1051-L1058.	1.3	70
25	Molecular and Functional Expression of Multidrug Resistance-Associated Protein-1 in Primary Cultured Rat Alveolar Epithelial Cells. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 2340-2349.	1.6	9
26	Functional characterization and cloning of amino acid transporter BO,+ (ATBO,+) in primary cultured rat pneumocytes. <i>Journal of Cellular Physiology</i> , 2008, 214, 645-654.	2.0	14
27	Polystyrene nanoparticle trafficking across alveolar epithelium. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2008, 4, 139-145.	1.7	94
28	Characterization of protein factor(s) in rat bronchoalveolar lavage fluid that enhance insulin transport via transcytosis across primary rat alveolar epithelial cell monolayers. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 808-816.	2.0	8
29	The Conjunctival Barrier in Ocular Drug Delivery. , 2008, , 307-320.		10
30	Effects of KGF on Alveolar Epithelial Cell Transdifferentiation Are Mediated by JNK Signaling. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 38, 239-246.	1.4	36
31	Nanoparticle effects on rat alveolar epithelial cell monolayer barrier properties. <i>Toxicology in Vitro</i> , 2007, 21, 1373-1381.	1.1	73
32	Glutathione and Its Transporters in Ocular Surface Defense. <i>Ocular Surface</i> , 2007, 5, 269-279.	2.2	18
33	Enhancement of Insulin Transport Across Primary Rat Alveolar Epithelial Cell Monolayers by Endogenous Cellular Factor(s). <i>Pharmaceutical Research</i> , 2007, 24, 1713-1719.	1.7	5
34	Assessment of transport rates of proteins and peptides across primary human alveolar epithelial cell monolayers. <i>European Journal of Pharmaceutical Sciences</i> , 2006, 28, 196-203.	1.9	49
35	Swelling-activated K efflux and regulatory volume decrease efficiency in human bronchial epithelial cells. <i>FASEB Journal</i> , 2006, 20, A835.	0.2	0
36	Estimation of paracellular conductance of primary rat alveolar epithelial cell monolayers. <i>Journal of Applied Physiology</i> , 2005, 98, 138-143.	1.2	11

#	ARTICLE	IF	CITATIONS
37	Roles of the conjunctiva in ocular drug delivery: a review of conjunctival transport mechanisms and their regulation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2005, 60, 227-240.	2.0	202
38	Net absorption of IgG via FcRn-mediated transcytosis across rat alveolar epithelial cell monolayers. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004, 287, L616-L622.	1.3	60
39	Regulation of Cystine Transport and Intracellular GSH Level by a Nitric Oxide Donor in Primary Cultured Rabbit Conjunctival Epithelial Cell Layers. , 2003, 44, 1202.		25
40	Modulation of ion conductance and active transport by TGF- β 1 in alveolar epithelial cell monolayers. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003, 285, L1192-L1200.	1.3	32
41	Specialized Protective Role of Mucosal Glutathione in Pigmented Rabbit Conjunctiva. , 2003, 44, 4427.		4
42	Protein transport across the lung epithelial barrier. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003, 284, L247-L259.	1.3	214
43	Absorption of intact albumin across rat alveolar epithelial cell monolayers. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003, 284, L458-L465.	1.3	29
44	Clathrin and caveolin-1 expression in primary pigmented rabbit conjunctival epithelial cells: role in PLGA nanoparticle endocytosis. <i>Molecular Vision</i> , 2003, 9, 559-68.	1.1	94
45	Characterization of cyclic AMP-regulated chloride conductance in the pigmented rabbit conjunctival epithelial cells. <i>Canadian Journal of Physiology and Pharmacology</i> , 2002, 80, 533-540.	0.7	19
46	Na transport proteins are expressed by rat alveolar epithelial type I cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2002, 282, L599-L608.	1.3	132
47	Net glutathione secretion across primary cultured rabbit conjunctival epithelial cell layers. <i>Investigative Ophthalmology and Visual Science</i> , 2002, 43, 1154-61.	3.3	19
48	A useful in vitro model for transport studies of alveolar epithelial barrier. <i>Pharmaceutical Research</i> , 2001, 18, 253-255.	1.7	57
49	Meeting future challenges in topical ocular drug delivery:. <i>Journal of Controlled Release</i> , 2000, 65, 1-11.	4.8	42
50	Role of P-glycoprotein in restricting propranolol transport in cultured rabbit conjunctival epithelial cell layers. <i>Pharmaceutical Research</i> , 2000, 17, 533-538.	1.7	62
51	Pharmacological modulation of fluid secretion in the pigmented rabbit conjunctiva. <i>Life Sciences</i> , 2000, 66, PL105-PL111.	2.0	35
52	KGF prevents hyperoxia-induced reduction of active ion transport in alveolar epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 1999, 276, C1352-C1360.	2.1	28
53	Organic cation transport in rabbit alveolar epithelial cell monolayers. <i>Pharmaceutical Research</i> , 1999, 16, 1280-1287.	1.7	22
54	Monolayers of human alveolar epithelial cells in primary culture for pulmonary absorption and transport studies. <i>Pharmaceutical Research</i> , 1999, 16, 601-608.	1.7	151

#	ARTICLE	IF	CITATIONS
55	Rates of Protein Transport Across Rat Alveolar Epithelial Cell Monolayers. <i>Journal of Drug Targeting</i> , 1999, 7, 335-342.	2.1	37
56	Dipeptide uptake and transport characteristics in rabbit tracheal epithelial cell layers cultured at an air interface. <i>Pharmaceutical Research</i> , 1998, 15, 979-983.	1.7	9
57	Arginine vasopressin transport and metabolism in the pigmented rabbit conjunctiva. <i>European Journal of Pharmaceutical Sciences</i> , 1998, 6, 47-52.	1.9	7
58	Modulation of Chloride Secretion Across the Pigmented Rabbit Conjunctiva. <i>Experimental Eye Research</i> , 1998, 66, 275-282.	1.2	21
59	Kinetic evidence for Na ⁺ -glucose co-transport in the pigmented rabbit conjunctiva. <i>Current Eye Research</i> , 1997, 16, 1050-1055.	0.7	8
60	Na ⁺ -Dependent L-Arginine Transport in the Pigmented Rabbit Conjunctiva. <i>Experimental Eye Research</i> , 1997, 65, 547-553.	1.2	33
61	Size-Dependent Dextran Transport across Rat Alveolar Epithelial Cell Monolayers. <i>Journal of Pharmaceutical Sciences</i> , 1997, 86, 305-309.	1.6	100
62	Polar solute transport across the pigmented rabbit conjunctiva: size dependence and the influence of 8-bromo cyclic adenosine monophosphate. <i>Pharmaceutical Research</i> , 1997, 14, 1246-1251.	1.7	51
63	A primary culture model of rabbit conjunctival epithelial cells exhibiting tight barrier properties. <i>Current Eye Research</i> , 1996, 15, 1163-1169.	0.7	64
64	Age-dependent expression of P-glycoprotein gp170 in Caco-2 cell monolayers. <i>Pharmaceutical Research</i> , 1996, 13, 885-890.	1.7	103
65	Horseradish peroxidase transport across rat alveolar epithelial cell monolayers. <i>Pharmaceutical Research</i> , 1996, 13, 1331-1335.	1.7	31
66	Cyclic AMP Modulation of Active Ion Transport in the Pigmented Rabbit Conjunctiva. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 1996, 12, 281-287.	0.6	17
67	Targeted drug delivery to the respiratory tract: solute permeability of air-interface cultured rabbit tracheal epithelial cell monolayers. <i>Journal of Drug Targeting</i> , 1996, 4, 79-86.	2.1	21
68	Permeability characteristics of primary cultured rabbit conjunctival epithelial cells to low molecular weight drugs. <i>Current Eye Research</i> , 1996, 15, 1170-1174.	0.7	31
69	Contribution of Na ⁺ -glucose cotransport to the short-circuit current in the pigmented rabbit conjunctiva. <i>Current Eye Research</i> , 1996, 15, 447-451.	0.7	33
70	Possible existence of Na ⁺ -coupled amino acid transport in the pigmented rabbit conjunctiva. <i>Life Sciences</i> , 1995, 57, 1427-1431.	2.0	27
71	Air-Interface Cultures of Guinea Pig Airway Epithelial Cells: Effects of Active Sodium and Chloride Transport Inhibitors on Bioelectric Properties. <i>Experimental Lung Research</i> , 1994, 20, 101-117.	0.5	14
72	Effects of protease inhibitors on vasopressin transport across rat alveolar epithelial cell monolayers. <i>Pharmaceutical Research</i> , 1994, 11, 1617-1622.	1.7	25

#	ARTICLE	IF	CITATIONS
73	Transport of thyrotropin-releasing hormone across rat alveolar epithelial cell monolayers. Life Sciences, 1994, 54, 2083-2092.	2.0	24
74	Dipeptide transport across rat alveolar epithelial cell monolayers. Pharmaceutical Research, 1993, 10, 1668-1674.	1.7	45
75	Measurement of solute fluxes in isolated rat lungs. Respiration Physiology, 1993, 91, 321-334.	2.8	10
76	Active chloride transport in the pigmented rabbit conjunctiva. Current Eye Research, 1993, 12, 1041-1048.	0.7	90
77	Studies on the mechanisms of active ion fluxes across alveolar epithelial cell monolayers. Cytotechnology, 1992, 14, 187-193.	0.3	25
78	Contribution of active Na ⁺ and Cl ⁻ fluxes to net ion transport by alveolar epithelium. Respiration Physiology, 1991, 85, 245-256.	2.8	100