

Sina Y Rabbany

List of Publications by Year in descending order

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38
papers

4,157
citations

304602

22
h-index

315616

38
g-index

38
all docs

38
docs citations

38
times ranked

6267
citing authors

#	ARTICLE	IF	CITATIONS
1	Inductive angiocrine signals from sinusoidal endothelium are required for liver regeneration. <i>Nature</i> , 2010, 468, 310-315.	13.7	686
2	Molecular Signatures of Tissue-Specific Microvascular Endothelial Cell Heterogeneity in Organ Maintenance and Regeneration. <i>Developmental Cell</i> , 2013, 26, 204-219.	3.1	548
3	Divergent angiocrine signals from vascular niche balance liver regeneration and fibrosis. <i>Nature</i> , 2014, 505, 97-102.	13.7	496
4	Endothelial-Derived Angiocrine Signals Induce and Sustain Regenerative Lung Alveolarization. <i>Cell</i> , 2011, 147, 539-553.	13.5	436
5	Expansion and maintenance of human embryonic stem cell-derived endothelial cells by TGF β 2 inhibition is Id1 dependent. <i>Nature Biotechnology</i> , 2010, 28, 161-166.	9.4	282
6	Efficient Direct Reprogramming of Mature Amniotic Cells into Endothelial Cells by ETS Factors and TGF β 2 Suppression. <i>Cell</i> , 2012, 151, 559-575.	13.5	212
7	Targeting of the pulmonary capillary vascular niche promotes lung alveolar repair and ameliorates fibrosis. <i>Nature Medicine</i> , 2016, 22, 154-162.	15.2	201
8	Adaptable haemodynamic endothelial cells for organogenesis and tumorigenesis. <i>Nature</i> , 2020, 585, 426-432.	13.7	145
9	Continuous Delivery of Stromal Cell-Derived Factor-1 from Alginate Scaffolds Accelerates Wound Healing. <i>Cell Transplantation</i> , 2010, 19, 399-408.	1.2	143
10	Molecular pathways regulating mobilization of marrow-derived stem cells for tissue revascularization. <i>Trends in Molecular Medicine</i> , 2003, 9, 109-117.	3.5	126
11	Platelet-derived SDF-1 primes the pulmonary capillary vascular niche to drive lung alveolar regeneration. <i>Nature Cell Biology</i> , 2015, 17, 123-136.	4.6	120
12	Endothelial transplantation rejuvenates aged hematopoietic stem cell function. <i>Journal of Clinical Investigation</i> , 2017, 127, 4163-4178.	3.9	109
13	Molecular determinants of nephron vascular specialization in the kidney. <i>Nature Communications</i> , 2019, 10, 5705.	5.8	83
14	Concerted regulation of retinal pigment epithelium basement membrane and barrier function by angiocrine factors. <i>Nature Communications</i> , 2017, 8, 15374.	5.8	64
15	Endothelial jagged-2 sustains hematopoietic stem and progenitor reconstitution after myelosuppression. <i>Journal of Clinical Investigation</i> , 2017, 127, 4242-4256.	3.9	63
16	Trace detection of explosives using a membrane-based displacement immunoassay. <i>Journal of Immunological Methods</i> , 2000, 246, 69-77.	0.6	62
17	Theory of Heterogeneity in Displacement Reactions. <i>Analytical Chemistry</i> , 1997, 69, 170-174.	3.2	57
18	Stromal-derived factor-1 delivered via hydrogel drug delivery vehicle accelerates wound healing in vivo. <i>Wound Repair and Regeneration</i> , 2011, 19, 420-425.	1.5	52

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19	Kinetics of antibody binding at solid-liquid interfaces in flow. <i>Journal of Immunological Methods</i> , 1992, 156, 223-230.	0.6	42
20	A Parallel-Plate Flow Chamber for Mechanical Characterization of Endothelial Cells Exposed to Laminar Shear Stress. <i>Cellular and Molecular Bioengineering</i> , 2016, 9, 127-138.	1.0	41
21	Specification of fetal liver endothelial progenitors to functional zoned adult sinusoids requires c-Maf induction. <i>Cell Stem Cell</i> , 2022, 29, 593-609.e7.	5.2	32
22	A membrane-based displacement flow immunoassay. <i>Biosensors and Bioelectronics</i> , 1998, 13, 939-944.	5.3	30
23	Akt Suppression of TGF β Signaling Contributes to the Maintenance of Vascular Identity in Embryonic Stem Cell-Derived Endothelial Cells. <i>Stem Cells</i> , 2014, 32, 177-190.	1.4	20
24	Dissociation Rate Kinetics in a Solid-Phase Flow Immunoassay. <i>Analytical Letters</i> , 1998, 31, 1663-1675.	1.0	16
25	Peripheral vascular effects on auscultatory blood pressure measurement. <i>Journal of Clinical Monitoring and Computing</i> , 1993, 9, 9-17.	0.6	15
26	PEG-Immobilized Keratin for Protein Drug Sequestration and pH-Mediated Delivery. <i>Journal of Drug Delivery</i> , 2016, 2016, 1-9.	2.5	13
27	Scaffold biomaterials for nano-pathophysiology. <i>Advanced Drug Delivery Reviews</i> , 2014, 74, 104-114.	6.6	12
28	Laminar shear stress modulates endothelial luminal surface stiffness in a tissue-specific manner. <i>Microcirculation</i> , 2018, 25, e12455.	1.0	10
29	Blood flow forces liver growth. <i>Nature</i> , 2018, 562, 42-43.	13.7	8
30	A perspective on myocardial contractility. <i>Technology and Health Care</i> , 1997, 5, 135-144.	0.5	7
31	Differentiation of intramyocardial fluid pressure from fiber stress. <i>Technology and Health Care</i> , 1997, 5, 145-157.	0.5	7
32	Laser scanner for 3D reconstruction of a wound's edge and topology. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 1761-1773.	1.7	6
33	New Dimensions in Vascular Engineering: Opportunities for Cancer Biology. <i>Tissue Engineering - Part A</i> , 2010, 16, 2157-2159.	1.6	3
34	Tracking of Endothelial Cell Migration and Stiffness Measurements Reveal the Role of Cytoskeletal Dynamics. <i>International Journal of Molecular Sciences</i> , 2022, 23, 568.	1.8	3
35	A Brief Assessment of Myocardial Viability in Surgically Remodeled Hearts. <i>Cardiovascular Engineering (Dordrecht, Netherlands)</i> , 2001, 1, 155-161.	1.0	2
36	Mechanosensory Pathways in Angiocrine Mediated Tissue Regeneration. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2013, , 19-45.	0.7	2

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37	Compressive strengths of PEG gels with glycerol and bioglass particles. Journal of Materials Research, 2019, 34, 1341-1352.	1.2	2
38	Morphological characterization of Etv2 vascular explants using fractal analysis and atomic force microscopy. Microvascular Research, 2021, 138, 104205.	1.1	1