

Harold A Singer

List of Publications by Year in descending order

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34
papers

1,309
citations

430442

18
h-index

454577

30
g-index

36
all docs

36
docs citations

36
times ranked

2374
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-Scale Multi-omic Analysis of COVID-19 Severity. <i>Cell Systems</i> , 2021, 12, 23-40.e7.	2.9	438
2	<i>MYOSLID</i> Is a Novel Serum Response Factor-Dependent Long Noncoding RNA That Amplifies the Vascular Smooth Muscle Differentiation Program. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 2088-2099.	1.1	93
3	Ca ²⁺ -calmodulin-dependent protein kinase II-dependent activation of contractility in ferret aorta. <i>Journal of Physiology</i> , 2000, 526, 367-374.	1.3	91
4	Inhibition of CaM kinase II activation and force maintenance by KN-93 in arterial smooth muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2000, 278, C537-C545.	2.1	80
5	Blood DNA methylation and COVID-19 outcomes. <i>Clinical Epigenetics</i> , 2021, 13, 118.	1.8	68
6	Vascular smooth muscle-MAPK14 is required for neointimal hyperplasia by suppressing VSMC differentiation and inducing proliferation and inflammation. <i>Redox Biology</i> , 2019, 22, 101137.	3.9	46
7	Single-Cell Lineage Tracing Reveals that Oriented Cell Division Contributes to Trabecular Morphogenesis and Regional Specification. <i>Cell Reports</i> , 2016, 15, 158-170.	2.9	45
8	Dual Function for Mature Vascular Smooth Muscle Cells During Arteriovenous Fistula Remodeling. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	34
9	MKL1 cooperates with p38MAPK to promote vascular senescence, inflammation, and abdominal aortic aneurysm. <i>Redox Biology</i> , 2021, 41, 101903.	3.9	29
10	Ca ²⁺ /calmodulin-dependent protein kinase II ³ (CaMKII ³) negatively regulates vascular smooth muscle cell proliferation and vascular remodeling. <i>FASEB Journal</i> , 2016, 30, 1051-1064.	0.2	28
11	Selective expression of TSPAN2 in vascular smooth muscle is independently regulated by TGF β 1/SMAD and myocardin/serum response factor. <i>FASEB Journal</i> , 2017, 31, 2576-2591.	0.2	27
12	CaMKII-dependent Inhibition of cAMP-response Element-binding Protein Activity in Vascular Smooth Muscle. <i>Journal of Biological Chemistry</i> , 2013, 288, 33519-33529.	1.6	26
13	MicroRNA-30 inhibits neointimal hyperplasia by targeting Ca ²⁺ /calmodulin-dependent protein kinase II (CaMKII). <i>Scientific Reports</i> , 2016, 6, 26166.	1.6	25
14	Endothelial Myocyte Enhancer Factor 2c Inhibits Migration of Smooth Muscle Cells Through Fenestrations in the Internal Elastic Lamina. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1380-1390.	1.1	24
15	Cardiomyocyte orientation modulated by the Numb family proteins-N-cadherin axis is essential for ventricular wall morphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15560-15569.	3.3	22
16	Unique inflammatory profile is associated with higher SARS-CoV-2 acute respiratory distress syndrome (ARDS) mortality. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R250-R257.	0.9	21
17	CDC42 is required for epicardial and pro-epicardial development by mediating FGF receptor trafficking to the plasma membrane. <i>Development (Cambridge)</i> , 2017, 144, 1635-1647.	1.2	20
18	Notch signaling regulates Hey2 expression in a spatiotemporal dependent manner during cardiac morphogenesis and trabecular specification. <i>Scientific Reports</i> , 2018, 8, 2678.	1.6	20

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19	A small molecule PAI-1 functional inhibitor attenuates neointimal hyperplasia and vascular smooth muscle cell survival by promoting PAI-1 cleavage. <i>Cellular Signalling</i> , 2015, 27, 923-933.	1.7	19
20	Ca ²⁺ -induced redistribution of Ca ²⁺ /calmodulin-dependent protein kinase II associated with an endoplasmic reticulum stress response in vascular smooth muscle. <i>Molecular and Cellular Biochemistry</i> , 2000, 213, 83-92.	1.4	18
21	IL-13-driven pulmonary emphysema leads to skeletal muscle dysfunction attenuated by endurance exercise. <i>Journal of Applied Physiology</i> , 2020, 128, 134-148.	1.2	18
22	Adipocyte CAMK2 deficiency improves obesity-associated glucose intolerance. <i>Molecular Metabolism</i> , 2021, 53, 101300.	3.0	15
23	Transforming growth factor β 1 suppresses proinflammatory gene program independent of its regulation on vascular smooth muscle differentiation and autophagy. <i>Cellular Signalling</i> , 2018, 50, 160-170.	1.7	13
24	Deaccelerated Myogenesis and Autophagy in Genetically Induced Pulmonary Emphysema. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2022, 66, 623-637.	1.4	12
25	CaMKII δ is upregulated by pro-inflammatory cytokine IL-6 in a JAK/STAT3-dependent manner to promote angiogenesis. <i>FASEB Journal</i> , 2021, 35, e21437.	0.2	11
26	MLKL and CaMKII Are Involved in RIPK3-Mediated Smooth Muscle Cell Necroptosis. <i>Cells</i> , 2021, 10, 2397.	1.8	11
27	Smooth muscle CaMKII δ promotes allergen-induced airway hyperresponsiveness and inflammation. <i>Pflügers Archiv European Journal of Physiology</i> , 2015, 467, 2541-2554.	1.3	9
28	SDH Subunit C Regulates Muscle Oxygen Consumption and Fatigability in an Animal Model of Pulmonary Emphysema. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 65, 259-271.	1.4	9
29	Thymine DNA glycosylase is a key regulator of CaMKII δ expression and vascular smooth muscle phenotype. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H969-H980.	1.5	4
30	Role of platelet factor 4 in arteriovenous fistula maturation failure: What do we know so far?. <i>Journal of Vascular Access</i> , 0, , 112972982210854.	0.5	2
31	CaMKII δ Is Necessary for Endothelial Cell Migration and Regulates Spouting Angiogenesis through Modification of MEF2-dependent Gene Expression. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	1
32	Role of Ca ²⁺ /Calmodulin-dependent Protein Kinase II (CaMKII) in Endothelial Cells. <i>FASEB Journal</i> , 2009, 23, 637.2.	0.2	0
33	CaMKII-dependent regulation of HDAC4/5 and gene transcription in vascular smooth muscle cells. <i>FASEB Journal</i> , 2009, 23, 300.3.	0.2	0
34	Transcriptional Upregulation of CaMKII δ through the JAK/STAT3 Pathway is Necessary for the IL-6-dependent Increase in Endothelial Cell Migration. <i>FASEB Journal</i> , 2019, 33, 706.1.	0.2	0