

Yong Ho Bae

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,077
citations

567281

15
h-index

526287

27
g-index

35
all docs

35
docs citations

35
times ranked

2011
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanosensitive expression of lamellipodin promotes intracellular stiffness, cyclin expression and cell proliferation. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	11
2	Emerging machine learning approaches to phenotyping cellular motility and morphodynamics. <i>Physical Biology</i> , 2021, 18, 041001.	1.8	11
3	Development of a decellularized meniscus matrix-based nanofibrous scaffold for meniscus tissue engineering. <i>Acta Biomaterialia</i> , 2021, 128, 175-185.	8.3	20
4	Global Genome Conformational Programming during Neuronal Development Is Associated with CTCF and Nuclear FGFR1â€™The Genome Archipelago Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 347.	4.1	9
5	A machine learning pipeline revealing heterogeneous responses to drug perturbations on vascular smooth muscle cell spheroid morphology and formation. <i>Scientific Reports</i> , 2021, 11, 23285.	3.3	11
6	Phosphoinositide Signaling and Mechanotransduction in Cardiovascular Biology and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 595849.	3.7	20
7	Survivin is a Mechanosensitive Regulator of Vascular Smooth Muscle Cell Proliferation. <i>Biophysical Journal</i> , 2020, 118, 250a.	0.5	0
8	Optogenomic Interfaces: Bridging Biological Networks With the Electronic Digital World. <i>Proceedings of the IEEE</i> , 2019, 107, 1387-1401.	21.3	13
9	Analysis of Light Propagation on Physiological Properties of Neurons for Nanoscale Optogenetics. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 108-117.	4.9	11
10	Cardiovascular protection in females linked to estrogen-dependent inhibition of arterial stiffening and macrophage MMP12. <i>JCI Insight</i> , 2019, 4, .	5.0	35
11	Breast cancer cell invasiveness is stimulated by loss of membrane interaction of actinbinding protein profilin1 via altered phosphoinositide metabolism. <i>FASEB Journal</i> , 2019, 33, .	0.5	1
12	Modulating cell response on cellulose surfaces; tunable attachment and scaffold mechanics. <i>Cellulose</i> , 2018, 25, 925-940.	4.9	48
13	Predicting Ligand-Free Cell Attachment on Next-Generation Celluloseâ€™Chitosan Hydrogels. <i>ACS Omega</i> , 2018, 3, 937-945.	3.5	17
14	Brain Organoids: Expanding Our Understanding of Human Development and Disease. <i>Results and Problems in Cell Differentiation</i> , 2018, 66, 183-206.	0.7	16
15	Deconvolution of subcellular protrusion heterogeneity and the underlying actin regulator dynamics from live cell imaging. <i>Nature Communications</i> , 2018, 9, 1688.	12.8	22
16	Light propagation analysis in nervous tissue for wireless optogenetic nanonetworks. , 2018, , .		3
17	Integrated genome regulation of brain development. , 2018, , .		0
18	Measuring the Stiffness of Ex Vivo Mouse Aortas Using Atomic Force Microscopy. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	14

#	ARTICLE	IF	CITATIONS
19	Matrix metalloproteinase-12 is an essential mediator of acute and chronic arterial stiffening. <i>Scientific Reports</i> , 2015, 5, 17189.	3.3	41
20	Apolipoprotein E3 Inhibits Rho to Regulate the Mechanosensitive Expression of Cox2. <i>PLoS ONE</i> , 2015, 10, e0128974.	2.5	13
21	N-Cadherin Induction by ECM Stiffness and FAK Overrides the Spreading Requirement for Proliferation of Vascular Smooth Muscle Cells. <i>Cell Reports</i> , 2015, 10, 1477-1486.	6.4	61
22	A FAK-Cas-Rac-Lamellipodin Signaling Module Transduces Extracellular Matrix Stiffness into Mechanosensitive Cell Cycling. <i>Science Signaling</i> , 2014, 7, ra57.	3.6	171
23	Molecular insights on context-specific role of profilin-1 in cell migration. <i>Cell Adhesion and Migration</i> , 2012, 6, 442-534.	2.7	69
24	Cardiovascular Protection by ApoE and ApoE-HDL Linked to Suppression of ECM Gene Expression and Arterial Stiffening. <i>Cell Reports</i> , 2012, 2, 1259-1271.	6.4	159
25	m-calpain Activation Is Regulated by Its Membrane Localization and by Its Binding to Phosphatidylinositol 4,5-Bisphosphate*. <i>Journal of Biological Chemistry</i> , 2010, 285, 33549-33566.	3.4	75
26	Profilin1 regulates PI(3,4)P ₂ and lamellipodin accumulation at the leading edge thus influencing motility of MDA-MB-231 cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21547-21552.	7.1	86
27	Profilin ¹ overexpression upregulates PTEN and suppresses AKT activation in breast cancer cells. <i>Journal of Cellular Physiology</i> , 2009, 218, 436-443.	4.1	49
28	Loss of profilin ¹ expression enhances breast cancer cell motility by Ena/VASP proteins. <i>Journal of Cellular Physiology</i> , 2009, 219, 354-364.	4.1	75
29	Minute changes in composition of polymer substrates produce amplified differences in cell adhesion and motility via optimal ligand conditioning. <i>Acta Biomaterialia</i> , 2006, 2, 473-482.	8.3	14
30	A Decellularized Meniscus Matrix Fibrous System for Meniscus Repair. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0