

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	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
2	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
3	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
4	Loss of profilin α expression enhances breast cancer cell motility by Ena/VASP proteins. <i>Journal of Cellular Physiology</i> , 2009, 219, 354-364.	4.1	75
5	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
6	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
7	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
8	Profilin α overexpression upregulates PTEN and suppresses AKT activation in breast cancer cells. <i>Journal of Cellular Physiology</i> , 2009, 218, 436-443.	4.1	49
9	Modulating cell response on cellulose surfaces; tunable attachment and scaffold mechanics. <i>Cellulose</i> , 2018, 25, 925-940.	4.9	48
10	Matrix metalloproteinase-12 is an essential mediator of acute and chronic arterial stiffening. <i>Scientific Reports</i> , 2015, 5, 17189.	3.3	41
11	Cardiovascular protection in females linked to estrogen-dependent inhibition of arterial stiffening and macrophage MMP12. <i>JCI Insight</i> , 2019, 4, .	5.0	35
12	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
13	Phosphoinositide Signaling and Mechanotransduction in Cardiovascular Biology and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 595849.	3.7	20
14	Development of a decellularized meniscus matrix-based nanofibrous scaffold for meniscus tissue engineering. <i>Acta Biomaterialia</i> , 2021, 128, 175-185.	8.3	20
15	Predicting Ligand-Free Cell Attachment on Next-Generation Cellulose-Chitosan Hydrogels. <i>ACS Omega</i> , 2018, 3, 937-945.	3.5	17
16	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
17	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
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	Apolipoprotein E3 Inhibits Rho to Regulate the Mechanosensitive Expression of Cox2. PLoS ONE, 2015, 10, e0128974.	2.5	13
20	Optogenomic Interfaces: Bridging Biological Networks With the Electronic Digital World. Proceedings of the IEEE, 2019, 107, 1387-1401.	21.3	13
21	Analysis of Light Propagation on Physiological Properties of Neurons for Nanoscale Optogenetics. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 108-117.	4.9	11
22	Mechanosensitive expression of lamellipodin promotes intracellular stiffness, cyclin expression and cell proliferation. Journal of Cell Science, 2021, 134, .	2.0	11
23	Emerging machine learning approaches to phenotyping cellular motility and morphodynamics. Physical Biology, 2021, 18, 041001.	1.8	11
24	A machine learning pipeline revealing heterogeneous responses to drug perturbations on vascular smooth muscle cell spheroid morphology and formation. Scientific Reports, 2021, 11, 23285.	3.3	11
25	Global Genome Conformational Programming during Neuronal Development Is Associated with CTCF and Nuclear FGFR1â€™The Genome Archipelago Model. International Journal of Molecular Sciences, 2021, 22, 347.	4.1	9
26	Light propagation analysis in nervous tissue for wireless optogenetic nanonetworks. , 2018, , .		3
27	Breast cancer cell invasiveness is stimulated by loss of membrane interaction of actinbinding protein profilin1 via altered phosphoinositide metabolism. FASEB Journal, 2019, 33, .	0.5	1
28	Survivin is a Mechanosensitive Regulator of Vascular Smooth Muscle Cell Proliferation. Biophysical Journal, 2020, 118, 250a.	0.5	0
29	Integrated genome regulation of brain development. , 2018, , .		0
30	A Decellularized Meniscus Matrix Fibrous System for Meniscus Repair. SSRN Electronic Journal, 0, , .	0.4	0