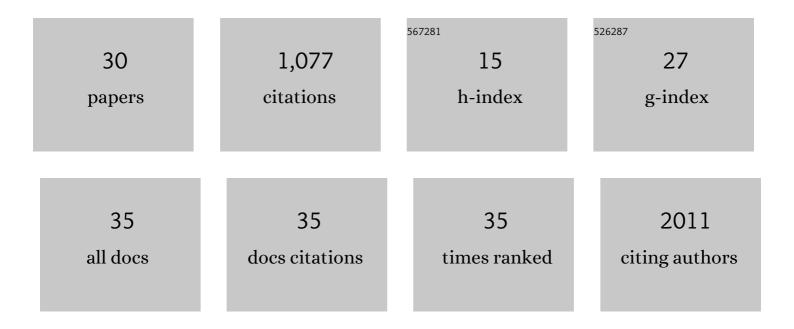
## Yong Ho Bae

List of Publications by Year in descending order

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YONG HO BAE

#	Article	IF	CITATIONS
1	Mechanosensitive expression of lamellipodin promotes intracellular stiffness, cyclin expression and cell proliferation. Journal of Cell Science, 2021, 134, .	2.0	11
2	Emerging machine learning approaches to phenotyping cellular motility and morphodynamics. Physical Biology, 2021, 18, 041001.	1.8	11
3	Development of a decellularized meniscus matrix-based nanofibrous scaffold for meniscus tissue engineering. Acta Biomaterialia, 2021, 128, 175-185.	8.3	20
4	Global Genome Conformational Programming during Neuronal Development Is Associated with CTCF and Nuclear FGFR1—The Genome Archipelago Model. International Journal of Molecular Sciences, 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. Scientific Reports, 2021, 11, 23285.	3.3	11
6	Phosphoinositide Signaling and Mechanotransduction in Cardiovascular Biology and Disease. Frontiers in Cell and Developmental Biology, 2020, 8, 595849.	3.7	20
7	Survivin is a Mechanosensitive Regulator of Vascular Smooth Muscle Cell Proliferation. Biophysical Journal, 2020, 118, 250a.	0.5	0
8	Optogenomic Interfaces: Bridging Biological Networks With the Electronic Digital World. Proceedings of the IEEE, 2019, 107, 1387-1401.	21.3	13
9	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
10	Cardiovascular protection in females linked to estrogen-dependent inhibition of arterial stiffening and macrophage MMP12. JCI Insight, 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. FASEB Journal, 2019, 33, .	0.5	1
12	Modulating cell response on cellulose surfaces; tunable attachment and scaffold mechanics. Cellulose, 2018, 25, 925-940.	4.9	48
13	Predicting Ligand-Free Cell Attachment on Next-Generation Cellulose–Chitosan Hydrogels. ACS Omega, 2018, 3, 937-945.	3.5	17
14	Brain Organoids: Expanding Our Understanding of Human Development and Disease. Results and Problems in Cell Differentiation, 2018, 66, 183-206.	0.7	16
15	Deconvolution of subcellular protrusion heterogeneity and the underlying actin regulator dynamics from live cell imaging. Nature Communications, 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 <em>Ex Vivo</em> Mouse Aortas Using Atomic Force Microscopy. Journal of Visualized Experiments, 2016, , .	0.3	14

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#	Article	IF	CITATIONS
19	Matrix metalloproteinase-12 is an essential mediator of acute and chronic arterial stiffening. Scientific Reports, 2015, 5, 17189.	3.3	41
20	Apolipoprotein E3 Inhibits Rho to Regulate the Mechanosensitive Expression of Cox2. PLoS ONE, 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. Cell Reports, 2015, 10, 1477-1486.	6.4	61
22	A FAK-Cas-Rac-Lamellipodin Signaling Module Transduces Extracellular Matrix Stiffness into Mechanosensitive Cell Cycling. Science Signaling, 2014, 7, ra57.	3.6	171
23	Molecular insights on context-specific role of profilin-1 in cell migration. Cell Adhesion and Migration, 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. Cell Reports, 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*. Journal of Biological Chemistry, 2010, 285, 33549-33566.	3.4	75
26	Profilin1 regulates PI(3,4)P <sub>2</sub> and lamellipodin accumulation at the leading edge thus influencing motility of MDA-MB-231 cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21547-21552.	7.1	86
27	Profilinâ€1 overexpression upregulates PTEN and suppresses AKT activation in breast cancer cells. Journal of Cellular Physiology, 2009, 218, 436-443.	4.1	49
28	Loss of profilinâ€1 expression enhances breast cancer cell motility by Ena/VASP proteins. Journal of Cellular Physiology, 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. Acta Biomaterialia, 2006, 2, 473-482.	8.3	14
30	A Decellularized Meniscus Matrix Fibrous System for Meniscus Repair. SSRN Electronic Journal, 0, , .	0.4	0