

# De-Ming Yang

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

1,554

citations

20

h-index

38

g-index

66

ext. papers

1,816

ext. citations

4.4

avg, IF

4.64

L-index

#	Paper	IF	Citations
62	A Review of SARS-CoV-2 and the Ongoing Clinical Trials. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	406
61	Demonstration of an olfactory bulb-brain translocation pathway for ZnO nanoparticles in rodent cells in vitro and in vivo. <i>Journal of Molecular Neuroscience</i> , <b>2012</b> , 48, 464-71	3.3	95
60	A novel mechanism of coenzyme Q10 protects against human endothelial cells from oxidative stress-induced injury by modulating NO-related pathways. <i>Journal of Nutritional Biochemistry</i> , <b>2012</b> , 23, 458-68	6.3	93
59	A novel in vitro retinal differentiation model by co-culturing adult human bone marrow stem cells with retinal pigmented epithelium cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 326, 578-85	3.4	59
58	The generation of induced pluripotent stem cells for macular degeneration as a drug screening platform: identification of curcumin as a protective agent for retinal pigment epithelial cells against oxidative stress. <i>Frontiers in Aging Neuroscience</i> , <b>2014</b> , 6, 191	5.3	57
57	Zinc-induced apoptosis in substantia nigra of rat brain: neuroprotection by vitamin D3. <i>Free Radical Biology and Medicine</i> , <b>2003</b> , 34, 1416-25	7.8	57
56	A novel loss-of-function mutation, Gln459Arg, of the calcium-sensing receptor gene associated with apparent autosomal recessive inheritance of familial hypocalciuric hypercalcemia. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2009</b> , 94, 4372-9	5.6	50
55	Induction of insulin-producing cells derived from endometrial mesenchymal stem-like cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2010</b> , 335, 817-29	4.7	48
54	Targeting signal transducer and activator of transcription 3 pathway by cucurbitacin I diminishes self-renewing and radiochemoresistant abilities in thyroid cancer-derived CD133+ cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2012</b> , 341, 410-23	4.7	46
53	EZH2 regulates neuronal differentiation of mesenchymal stem cells through PIP5K1C-dependent calcium signaling. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 9657-67	5.4	45
52	Mitochondrial dysfunction-induced amphiregulin upregulation mediates chemo-resistance and cell migration in HepG2 cells. <i>Cellular and Molecular Life Sciences</i> , <b>2009</b> , 66, 1755-65	10.3	39
51	Live-cell dynamic sensing of Cd(2+) with a FRET-based indicator. <i>PLoS ONE</i> , <b>2013</b> , 8, e65853	3.7	29
50	Genomic analysis and comparative multiple sequences of SARS-CoV2. <i>Journal of the Chinese Medical Association</i> , <b>2020</b> , 83, 537-543	2.8	24
49	Intracellular Pb2+ content monitoring using a protein-based Pb2+ indicator. <i>Toxicological Sciences</i> , <b>2012</b> , 126, 436-45	4.4	22
48	Tracking of secretory vesicles of PC12 cells by total internal reflection fluorescence microscopy. <i>Journal of Microscopy</i> , <b>2003</b> , 209, 223-7	1.9	22
47	Calcification of senile cataractous lens determined by Fourier transform infrared (FTIR) and Raman microspectroscopies. <i>Journal of Microscopy</i> , <b>2005</b> , 219, 36-41	1.9	22
46	Involvement of Rab3A in vesicle priming during exocytosis: interaction with Munc13-1 and Munc18-1. <i>Traffic</i> , <b>2011</b> , 12, 1356-70	5.7	21

45	Relative contribution of the Na(+)/Ca(2+) exchanger, mitochondria and endoplasmic reticulum in the regulation of cytosolic Ca(2+) and catecholamine secretion of bovine adrenal chromaffin cells. <i>Journal of Neurochemistry</i> , <b>2001</b> , 76, 210-6	6	21
44	Upconversion nanoparticle-mOrange protein FRET nanoprobe for self-ratiometric/ratiometric determination of intracellular pH, and single cell pH imaging. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 155, 112115	11.8	20
43	Dominant role of Orai1 with STIM1 on the cytosolic entry and cytotoxicity of lead ions. <i>Toxicological Sciences</i> , <b>2009</b> , 110, 353-62	4.4	20
42	When cytokinin, a plant hormone, meets the adenosine A2A receptor: a novel neuroprotectant and lead for treating neurodegenerative disorders?. <i>PLoS ONE</i> , <b>2012</b> , 7, e38865	3.7	19
41	Orai1-STIM1 formed store-operated Ca <sup>2+</sup> channels (SOCs) as the molecular components needed for Pb <sup>2+</sup> entry in living cells. <i>Toxicology and Applied Pharmacology</i> , <b>2008</b> , 227, 430-9	4.6	18
40	Modulation of dopamine transporter activity by nicotinic acetylcholine receptors and membrane depolarization in rat pheochromocytoma PC12 cells. <i>Journal of Neurochemistry</i> , <b>1999</b> , 72, 2437-44	6	18
39	An automated tracking system to measure the dynamic properties of vesicles in living cells. <i>Microscopy Research and Technique</i> , <b>2007</b> , 70, 119-34	2.8	17
38	A domain directly C-terminal to the major homology region of human immunodeficiency type 1 capsid protein plays a crucial role in directing both virus assembly and incorporation of Gag-Pol. <i>Virology</i> , <b>2006</b> , 348, 84-95	3.6	17
37	miRNA-146a expression positively regulates tumor necrosis factor- $\beta$ -induced interleukin-8 production in mesenchymal stem cells and differentiated lung epithelial-like cells. <i>Tissue Engineering - Part A</i> , <b>2012</b> , 18, 2259-67	3.9	16
36	Formation of a whorl-like autophagosome by Golgi apparatus engulfing a ribosome-containing vacuole in corpora allata of the cockroach <i>Diploptera punctata</i> . <i>Cell and Tissue Research</i> , <b>1997</b> , 287, 385-91	4.2	16
35	Iron-generated hydroxyl radicals kill retinal cells in vivo: effect of ferulic acid. <i>Human and Experimental Toxicology</i> , <b>2008</b> , 27, 327-39	3.4	16
34	Visualization of Rab3A dissociation during exocytosis: a study by total internal reflection microscopy. <i>Journal of Cellular Physiology</i> , <b>2007</b> , 211, 316-26	7	16
33	Novel biosensor platforms for the detection of coronavirus infection and severe acute respiratory syndrome coronavirus 2. <i>Journal of the Chinese Medical Association</i> , <b>2020</b> , 83, 701-703	2.8	16
32	Potential effect of resistin on the ET-1-increased reactions of blood pressure in rats and Ca <sup>2+</sup> signaling in vascular smooth muscle cells. <i>Journal of Cellular Physiology</i> , <b>2012</b> , 227, 1610-8	7	15
31	Arsenite-induced cytotoxicity in dorsal root ganglion explants. <i>Free Radical Biology and Medicine</i> , <b>2008</b> , 44, 1553-61	7.8	15
30	Effects of clodronate on cancer growth and Ca <sup>2+</sup> signaling of human thyroid carcinoma cell lines. <i>Anticancer Research</i> , <b>2004</b> , 24, 1617-23	2.3	15
29	Important Roles of Ring Finger Protein 112 in Embryonic Vascular Development and Brain Functions. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 2286-2300	6.2	11
28	Identification of chemical compositions of skin calcified deposit by vibrational microspectroscopies. <i>Archives of Dermatological Research</i> , <b>2005</b> , 297, 231-4	3.3	10

27	Clodronate-induced cell apoptosis in human thyroid carcinoma is mediated via the P2 receptor signaling pathway. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2009</b> , 330, 613-23	4.7	9
26	High-performance FRET biosensors for single-cell and in vivo lead detection. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 168, 112571	11.8	9
25	Clinical and biophysical characterization of 19 mutations. <i>Annals of Clinical and Translational Neurology</i> , <b>2016</b> , 3, 854-865	5.3	9
24	Downregulation of DAB2IP promotes mesenchymal-to-neuroepithelial transition and neuronal differentiation of human mesenchymal stem cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e75884	3.7	8
23	Cell size control by ovarian factors regulates juvenile hormone synthesis in corpora allata of the cockroach, <i>Diploptera punctata</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2005</b> , 35, 41-50	4.5	8
22	Photothermal Disintegration of 3T3 Derived Fat Droplets by Irradiated Silica Coated Upconversion Nanoparticles. <i>Particle and Particle Systems Characterization</i> , <b>2018</b> , 35, 1800294	3.1	8
21	In-depth fluorescence lifetime imaging analysis revealing SNAP25A-Rabphilin 3A interactions. <i>Microscopy and Microanalysis</i> , <b>2008</b> , 14, 507-18	0.5	7
20	Genomic variance of Open Reading Frames (ORFs) and Spike protein in severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). <i>Journal of the Chinese Medical Association</i> , <b>2020</b> , 83, 725-732	2.8	7
19	Hunting severe acute respiratory syndrome coronavirus 2 (2019 novel coronavirus): From laboratory testing back to basic research. <i>Journal of the Chinese Medical Association</i> , <b>2020</b> , 83, 524-526	2.8	6
18	Scattering polarization by anisotropic biomolecules. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2008</b> , 25, 1030-8	1.8	6
17	Dopamine elevates intracellular zinc concentration in cultured rat embryonic cortical neurons through the cAMP-nitric oxide signaling cascade. <i>Molecular and Cellular Neurosciences</i> , <b>2017</b> , 82, 35-45	4.8	5
16	Detection of the interaction between SNAP25 and rabphilin in neuroendocrine PC12 cells using the FLIM/FRET technique. <i>Microscopy Research and Technique</i> , <b>2008</b> , 71, 26-34	2.8	5
15	Pandemic analysis of infection and death correlated with genomic open reading frame 10 mutation in severe acute respiratory syndrome coronavirus 2 victims. <i>Journal of the Chinese Medical Association</i> , <b>2021</b> , 84, 478-484	2.8	5
14	Monitoring the Heavy Metal Lead Inside Living Drosophila with a FRET-Based Biosensor. <i>Sensors</i> , <b>2020</b> , 20,	3.8	4
13	Optical scattering depolarization in a biomedium with anisotropic biomolecules. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2009</b> , 26, 1101-8	1.8	4
12	Visualization of the Orai1 homodimer and the functional coupling of Orai1-STIM1 by live-cell fluorescence lifetime imaging. <i>Microscopy and Microanalysis</i> , <b>2010</b> , 16, 313-26	0.5	4
11	Combinatorial roles of mitochondria and cGMP/PKG pathway in the generation of neuronal free Zn <sup>2+</sup> under the presence of nitric oxide. <i>Journal of the Chinese Medical Association</i> , <b>2020</b> , 83, 357-366	2.8	3
10	An evanescent approach for mitochondrial function assay of living cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2005</b> , 1, 286-92	6	3

9	Development and optimization of heavy metal lead biosensors in biomedical and environmental applications. <i>Journal of the Chinese Medical Association</i> , <b>2021</b> , 84, 745-753	2.8	3
8	An endothelin type A receptor-expressing cell to characterize endothelin-1 binding and screen antagonist. <i>Analytical Biochemistry</i> , <b>2008</b> , 379, 27-31	3.1	2
7	Dynamics of mitochondria and mitochondrial Ca <sup>2+</sup> near the plasma membrane of PC12 cells: a study by multimode microscopy. <i>Annals of the New York Academy of Sciences</i> , <b>2005</b> , 1042, 163-7	6.5	2
6	Versatile Cell and Animal Models for Advanced Investigation of Lead Poisoning. <i>Biosensors</i> , <b>2021</b> , 11,	5.9	2
5	Portable FRET-Based Biosensor Device for On-Site Lead Detection.. <i>Biosensors</i> , <b>2022</b> , 12,	5.9	2
4	Polarimetric signature imaging of anisotropic bio-medical tissues <b>2010</b> ,		1
3	Endothelin-1 induces lipolysis through activation of the GC/cGMP/Ca/ERK/CaMKIII pathway in 3T3-L1 adipocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2021</b> , 1867, 15907-15	5	1
2	Upconversion Nanoformulation for Functional Imaging. <i>Springer Proceedings in Physics</i> , <b>2022</b> , 35-42	0.2	
1	Nitric Oxide Mobilizes Intracellular Zn <sup>2+</sup> via the GC/cGMP/PKG Signaling Pathway and Stimulates Adipocyte Differentiation. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5488	6.3	