

# De-Ming Yang

## List of Publications by Year in descending order

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62  
papers

2,002  
citations

331259

21  
h-index

253896

43  
g-index

66  
all docs

66  
docs citations

66  
times ranked

4042  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of SARS-CoV-2 and the Ongoing Clinical Trials. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2657.	1.8	530
2	Demonstration of an Olfactory Bulbâ€“Brain Translocation Pathway for ZnO Nanoparticles in Rodent Cells In Vitro and In Vivo. <i>Journal of Molecular Neuroscience</i> , 2012, 48, 464-471.	1.1	115
3	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> , 2012, 23, 458-468.	1.9	114
4	Zinc-induced apoptosis in substantia nigra of rat brain: neuroprotection by vitamin D3. <i>Free Radical Biology and Medicine</i> , 2003, 34, 1416-1425.	1.3	71
5	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> , 2014, 6, 191.	1.7	71
6	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> , 2005, 326, 578-585.	1.0	66
7	EZH2 Regulates Neuronal Differentiation of Mesenchymal Stem Cells through PIP5K1C-dependent Calcium Signaling. <i>Journal of Biological Chemistry</i> , 2011, 286, 9657-9667.	1.6	61
8	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> , 2009, 94, 4372-4379.	1.8	58
9	Targeting Signal Transducer and Activator of Transcription 3 Pathway by Cucurbitacin I Diminishes Self-Renewing and Radiochemoresistant Abilities in Thyroid Cancer-Derived CD133 <sup>+</sup> Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 341, 410-423.	1.3	53
10	Induction of Insulin-Producing Cells Derived from Endometrial Mesenchymal Stem-like Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 335, 817-829.	1.3	52
11	Mitochondrial dysfunction-induced amphiregulin upregulation mediates chemo-resistance and cell migration in HepG2 cells. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 1755-1765.	2.4	45
12	Genomic analysis and comparative multiple sequences of SARS-CoV2. <i>Journal of the Chinese Medical Association</i> , 2020, 83, 537-543.	0.6	40
13	Calcification of senile cataractous lens determined by Fourier transform infrared (FTIR) and Raman microspectroscopies. <i>Journal of Microscopy</i> , 2005, 219, 36-41.	0.8	38
14	Upconversion nanoparticle-mOrange protein FRET nanoprobes for self-ratiometric/ratiometric determination of intracellular pH, and single cell pH imaging. <i>Biosensors and Bioelectronics</i> , 2020, 155, 112115.	5.3	38
15	Live-Cell Dynamic Sensing of Cd <sup>2+</sup> with a FRET-Based Indicator. <i>PLoS ONE</i> , 2013, 8, e65853.	1.1	35
16	Involvement of Rab3A in Vesicle Priming During Exocytosis: Interaction with Munc13â€“1 and Munc18â€“1. <i>Traffic</i> , 2011, 12, 1356-1370.	1.3	32
17	Intracellular Pb <sup>2+</sup> Content Monitoring Using a Protein-Based Pb <sup>2+</sup> Indicator. <i>Toxicological Sciences</i> , 2012, 126, 436-445.	1.4	29
18	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> , 2020, 83, 725-732.	0.6	27

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19	Dominant Role of Orai1 with STIM1 on the Cytosolic Entry and Cytotoxicity of Lead Ions. <i>Toxicological Sciences</i> , 2009, 110, 353-362.	1.4	25
20	Tracking of secretory vesicles of PC12 cells by total internal reflection fluorescence microscopy. <i>Journal of Microscopy</i> , 2003, 209, 223-227.	0.8	24
21	An automated tracking system to measure the dynamic properties of vesicles in living cells. <i>Microscopy Research and Technique</i> , 2007, 70, 119-134.	1.2	24
22	When Cytokinin, a Plant Hormone, Meets the Adenosine A2A Receptor: A Novel Neuroprotectant and Lead for Treating Neurodegenerative Disorders?. <i>PLoS ONE</i> , 2012, 7, e38865.	1.1	23
23	Novel biosensor platforms for the detection of coronavirus infection and severe acute respiratory syndrome coronavirus 2. <i>Journal of the Chinese Medical Association</i> , 2020, 83, 701-703.	0.6	23
24	Relative contribution of the Na <sup>+</sup> /Ca <sup>2+</sup> exchanger, mitochondria and endoplasmic reticulum in the regulation of cytosolic Ca <sup>2+</sup> and catecholamine secretion of bovine adrenal chromaffin cells. <i>Journal of Neurochemistry</i> , 2008, 76, 210-216.	2.1	21
25	High-performance FRET biosensors for single-cell and in vivo lead detection. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112571.	5.3	21
26	Visualization of Rab3A dissociation during exocytosis: A study by total internal reflection microscopy. <i>Journal of Cellular Physiology</i> , 2007, 211, 316-326.	2.0	20
27	Iron-generated hydroxyl radicals kill retinal cells in vivo: effect of ferulic acid. <i>Human and Experimental Toxicology</i> , 2008, 27, 327-339.	1.1	20
28	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. <i>Pol. Virology</i> , 2006, 348, 84-95.	1.1	19
29	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> , 2008, 227, 430-439.	1.3	19
30	miRNA-146a Expression Positively Regulates Tumor Necrosis Factor- $\alpha$ -Induced Interleukin-8 Production in Mesenchymal Stem Cells and Differentiated Lung Epithelial-Like Cells. <i>Tissue Engineering - Part A</i> , 2012, 18, 2259-2267.	1.6	19
31	Modulation of Dopamine Transporter Activity by Nicotinic Acetylcholine Receptors and Membrane Depolarization in Rat Pheochromocytoma PC12 Cells. <i>Journal of Neurochemistry</i> , 2002, 72, 2437-2444.	2.1	18
32	Potential effect of resistin on the ET-1-induced reactions of blood pressure in rats and Ca <sup>2+</sup> signaling in vascular smooth muscle cells. <i>Journal of Cellular Physiology</i> , 2012, 227, 1610-1618.	2.0	17
33	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> , 1997, 287, 385-391.	1.5	16
34	Arsenite-induced cytotoxicity in dorsal root ganglion explants. <i>Free Radical Biology and Medicine</i> , 2008, 44, 1553-1561.	1.3	16
35	Clinical and biophysical characterization of 19 GJB1 mutations. <i>Annals of Clinical and Translational Neurology</i> , 2016, 3, 854-865.	1.7	16
36	Important Roles of Ring Finger Protein 112 in Embryonic Vascular Development and Brain Functions. <i>Molecular Neurobiology</i> , 2017, 54, 2286-2300.	1.9	15

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37	Effects of clodronate on cancer growth and Ca <sup>2+</sup> signaling of human thyroid carcinoma cell lines. <i>Anticancer Research</i> , 2004, 24, 1617-23.	0.5	15
38	Photothermal Disintegration of 3T3 Derived Fat Droplets by Irradiated Silica Coated Upconversion Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800294.	1.2	13
39	Identification of chemical compositions of skin calcified deposit by vibrational microspectroscopies. <i>Archives of Dermatological Research</i> , 2005, 297, 231-234.	1.1	12
40	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> , 2021, 84, 478-484.	0.6	12
41	Portable FRET-Based Biosensor Device for On-Site Lead Detection. <i>Biosensors</i> , 2022, 12, 157.	2.3	12
42	In-Depth Fluorescence Lifetime Imaging Analysis Revealing SNAP25A-Rabphilin 3A Interactions. <i>Microscopy and Microanalysis</i> , 2008, 14, 507-518.	0.2	11
43	Cell size control by ovarian factors regulates juvenile hormone synthesis in corpora allata of the cockroach,. <i>Insect Biochemistry and Molecular Biology</i> , 2005, 35, 41-50.	1.2	10
44	Clodronate-Induced Cell Apoptosis in Human Thyroid Carcinoma Is Mediated via the P2 Receptor Signaling Pathway. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 330, 613-623.	1.3	9
45	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> , 2020, 83, 524-526.	0.6	9
46	Downregulation of DAB2IP Promotes Mesenchymal-To-Neuroepithelial Transition and Neuronal Differentiation of Human Mesenchymal Stem Cells. <i>PLoS ONE</i> , 2013, 8, e75884.	1.1	8
47	Scattering polarization by anisotropic biomolecules. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2008, 25, 1030.	0.8	7
48	Dopamine elevates intracellular zinc concentration in cultured rat embryonic cortical neurons through the cAMP-nitric oxide signaling cascade. <i>Molecular and Cellular Neurosciences</i> , 2017, 82, 35-45.	1.0	7
49	Detection of the interaction between SNAP25 and rabphilin in neuroendocrine PC12 cells using the FLIM/FRET technique. <i>Microscopy Research and Technique</i> , 2008, 71, 26-34.	1.2	6
50	Monitoring the Heavy Metal Lead Inside Living Drosophila with a FRET-Based Biosensor. <i>Sensors</i> , 2020, 20, 1712.	2.1	5
51	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> , 2009, 26, 1101.	0.8	4
52	Visualization of the Orai1 Homodimer and the Functional Coupling of Orai1-STIM1 by Live-Cell Fluorescence Lifetime Imaging. <i>Microscopy and Microanalysis</i> , 2010, 16, 313-326.	0.2	4
53	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> , 2020, 83, 357-366.	0.6	4
54	Development and optimization of heavy metal lead biosensors in biomedical and environmental applications. <i>Journal of the Chinese Medical Association</i> , 2021, 84, 745-753.	0.6	4

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55	Endothelin-1 induces lipolysis through activation of the GC/cGMP/Ca <sup>2+</sup> /ERK/CaMKII $\beta$ pathway in 3T3-L1 adipocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2022, 1867, 159071.	1.2	4
56	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> , 2022, 23, 5488.	1.8	4
57	An evanescent approach for mitochondrial function assay of living cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2005, 1, 286-292.	1.7	3
58	Versatile Cell and Animal Models for Advanced Investigation of Lead Poisoning. <i>Biosensors</i> , 2021, 11, 371.	2.3	3
59	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> , 2005, 1042, 163-167.	1.8	2
60	An endothelin type A receptor-expressing cell to characterize endothelin-1 binding and screen antagonist. <i>Analytical Biochemistry</i> , 2008, 379, 27-31.	1.1	2
61	Polarimetric signature imaging of anisotropic bio-medical tissues. , 2010, , .		1
62	Polarimetric scattering signature imaging of highly photon-scattering bio-medium. , 2011, , .		0