Yongwoo Jang

List of Publications by Year
in descending order

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61 papers	2,406 citations	236925 25 h-index	214800 47 g-index
61 all docs	61 docs citations	61 times ranked	3752 citing authors

#	Article	IF	Citations
1	An Atmospheric Plasma Jet Induces Expression of Wound Healing Genes in Progressive Burn Wounds in a Comb Burn Rat Model: A Pilot Study. Journal of Burn Care and Research, 2023, 44, 685-692.	0.4	4
2	Human Trial for the Effect of Plasma-Activated Water Spray on Vaginal Cleaning in Patients with Bacterial Vaginosis. Medical Sciences (Basel, Switzerland), 2022, 10, 33.	2.9	1
3	Self-Powered Carbon Nanotube Yarn for Acceleration Sensor Application. IEEE Transactions on Industrial Electronics, 2021, 68, 2676-2683.	7.9	10
4	Self-Powered Inertial Sensor Based on Carbon Nanotube Yarn. IEEE Transactions on Industrial Electronics, 2021, 68, 8904-8910.	7.9	11
5	Potent synthetic and endogenous ligands for the adopted orphan nuclear receptor Nurr1. Experimental and Molecular Medicine, 2021, 53, 19-29.	7.7	14
6	Poly(N-isopropylacrylamide) Hydrogel for Diving/Surfacing Device. Micromachines, 2021, 12, 210.	2.9	6
7	Atmospheric Pressure Plasma Irradiation Facilitates Transdermal Permeability of Aniline Blue on Porcine Skin and the Cellular Permeability of Keratinocytes with the Production of Nitric Oxide. Applied Sciences (Switzerland), 2021, 11, 2390.	2.5	8
8	Implantable Biosupercapacitor Inspired by the Cellular Redox System. Angewandte Chemie, 2021, 133, 10657-10661.	2.0	2
9	Implantable Biosupercapacitor Inspired by the Cellular Redox System. Angewandte Chemie - International Edition, 2021, 60, 10563-10567.	13.8	27
10	Biomimetic cell-actuated artificial muscle with nanofibrous bundles. Microsystems and Nanoengineering, 2021, 7, 70.	7.0	12
11	SIRT2 regulates mitochondrial dynamics and reprogramming via MEK1-ERK-DRP1 and AKT1-DRP1 axes. Cell Reports, 2021, 37, 110155.	6.4	28
12	Carbon Nanotube Yarn for Fiberâ€Shaped Electrical Sensors, Actuators, and Energy Storage for Smart Systems. Advanced Materials, 2020, 32, e1902670.	21.0	165
13	Design and Medical Effects of a Vaginal Cleaning Device Generating Plasma-Activated Water with Antimicrobial Activity on Bacterial Vaginosis. Plasma, 2020, 3, 204-213.	1.8	3
14	Two-Ply Carbon Nanotube Fiber-Typed Enzymatic Biofuel Cell Implanted in Mice. IEEE Transactions on Nanobioscience, 2020, 19, 333-338.	3.3	11
15	Molecular mechanisms underlying the actions of arachidonic acid-derived prostaglandins on peripheral nociception. Journal of Neuroinflammation, 2020, 17, 30.	7.2	121
16	Carbon Nanotube Yarn: Carbon Nanotube Yarn for Fiberâ€Shaped Electrical Sensors, Actuators, and Energy Storage for Smart Systems (Adv. Mater. 5/2020). Advanced Materials, 2020, 32, 2070034.	21.0	4
17	Self-Helical Fiber for Glucose-Responsive Artificial Muscle. ACS Applied Materials & Interfaces, 2020, 12, 20228-20233.	8.0	37
18	Quasi-solid-state highly stretchable circular knitted MnO₂@CNT supercapacitor. RSC Advances, 2020, 10, 14007-14012.	3.6	20

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19	Wearable Energy Generating and Storing Textile Based on Carbon Nanotube Yarns. Advanced Functional Materials, 2020, 30, 2000411.	14.9	45
20	Electrical energy harvesting from ferritin biscrolled carbon nanotube yarn. Biosensors and Bioelectronics, 2020, 164, 112318.	10.1	19
21	PGE1 and PGA1 bind to Nurr1 and activate its transcriptional function. Nature Chemical Biology, 2020, 16, 876-886.	8.0	51
22	Crotamiton, an Anti-Scabies Agent, Suppresses Histamine- and Chloroquine-Induced Itch Pathways in Sensory Neurons and Alleviates Scratching in Mice. Biomolecules and Therapeutics, 2020, 28, 569-575.	2.4	10
23	Bio-Inspired Stretchable and Contractible Tough Fiber by the Hybridization of GO/MWNT/Polyurethane. ACS Applied Materials & Interfaces, 2019, 11, 31162-31168.	8.0	20
24	Self-Healing Electrode with High Electrical Conductivity and Mechanical Strength for Artificial Electronic Skin. ACS Applied Materials & Interfaces, 2019, 11, 46026-46033.	8.0	37
25	Self-healing graphene oxide-based composite for electromagnetic interference shielding. Carbon, 2019, 155, 499-505.	10.3	60
26	Self-Powered Coiled Carbon-Nanotube Yarn Sensor for Gastric Electronics. ACS Sensors, 2019, 4, 2893-2899.	7.8	37
27	Biomimetic Thermal-sensitive Multi-transform Actuator. Scientific Reports, 2019, 9, 7905.	3.3	9
28	ANO1/TMEM16A regulates process maturation in radial glial cells in the developing brain. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12494-12499.	7.1	19
29	Chloroquine modulates inflammatory autoimmune responses through Nurr1 in autoimmune diseases. Scientific Reports, 2019, 9, 15559.	3.3	29
30	Trpm2 Ablation Accelerates Protein Aggregation by Impaired ADPR and Autophagic Clearance in the Brain. Molecular Neurobiology, 2019, 56, 3819-3832.	4.0	11
31	Nurr1 (NR4A2) regulates Alzheimerâ€™s diseaseâ€related pathogenesis and cognitive function in the 5XFAD mouse model. Aging Cell, 2019, 18, e12866.	6.7	72
32	Sheath-run artificial muscles. Science, 2019, 365, 150-155.	12.6	218
33	EF-hand like Region in the N-terminus of Anoctamin 1 Modulates Channel Activity by Ca²⁺ and Voltage. Experimental Neurobiology, 2019, 28, 658-669.	1.6	6
34	Different perception levels of histamine-induced itch sensation in young adult mice. Physiology and Behavior, 2018, 188, 188-193.	2.1	3
35	Nociceptive Roles of TRPM2 Ion Channel in Pathologic Pain. Molecular Neurobiology, 2018, 55, 6589-6600.	4.0	21
36	Phytotherapeutic effects of the fruits of <scp>Poncirus trifoliata</scp> (L.) Raf. on cancer, inflammation, and digestive dysfunction. Phytotherapy Research, 2018, 32, 616-624.	5.8	13

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37	Involuntary swimming exercise in pregnant rats disturbs ERK1/2 signaling in embryonic neurons through increased cortisol in the amniotic fluid. Biochemical and Biophysical Research Communications, 2018, 495, 1208-1213.	2.1	9
38	Functional roles of glutamic acid E143 and E705 residues in the N-terminus and transmembrane domain 7 of Anoctamin 1 in calcium and noxious heat sensing. BMB Reports, 2018, 51, 236-241.	2.4	4
39	Metabolic control of primed human pluripotent stem cell fate and function by the miR-200câ€“SIRT2 axis. Nature Cell Biology, 2017, 19, 445-456.	10.3	138
40	Disruption of Ninjurin1 Leads to Repetitive and Anxiety-Like Behaviors in Mice. Molecular Neurobiology, 2017, 54, 7353-7368.	4.0	12
41	Direct conversion from skin fibroblasts to functional dopaminergic neurons for biomedical application. Biomedical Dermatology, 2017, 1, .	7.7	4
42	Red ginseng extract blocks histamine-dependent itch by inhibition of H1R/TRPV1 pathway in sensory neurons. Journal of Ginseng Research, 2015, 39, 257-264.	5.7	25
43	The RAB39B p.G192R mutation causes X-linked dominant Parkinsonâ€™s disease. Molecular Neurodegeneration, 2015, 10, 50.	10.8	91
44	Amniotic fluid exerts a neurotrophic influence on fetal neurodevelopment via the ERK/GSK-3 pathway. Biological Research, 2015, 48, 44.	3.4	6
45	Anoctamin 1 (TMEM16A) is essential for testosterone-induced prostate hyperplasia. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9722-9727.	7.1	53
46	TRPM2, a Susceptibility Gene for Bipolar Disorder, Regulates Glycogen Synthase Kinase-3 Activity in the Brain. Journal of Neuroscience, 2015, 35, 11811-11823.	3.6	47
47	Two helices in the third intracellular loop determine anoctamin 1 (TMEM16A) activation by calcium. Pflugers Archiv European Journal of Physiology, 2015, 467, 1677-1687.	2.8	11
48	TRPM2 mediates the lysophosphatidic acid-induced neurite retraction in the developing brain. Pflugers Archiv European Journal of Physiology, 2014, 466, 1987-1998.	2.8	31
49	Anoctamin 1 in secretory epithelia. Cell Calcium, 2014, 55, 355-361.	2.4	40
50	Tumor-Derived Osteopontin Suppresses Antitumor Immunity by Promoting Extramedullary Myelopoiesis. Cancer Research, 2014, 74, 6705-6716.	0.9	40
51	Voluntary Movements as a Possible Non-Reflexive Pain Assay. Molecular Pain, 2013, 9, 1744-8069-9-25.	2.1	31
52	20-O-Î²-d-glucopyranosyl-20(S)-protopanaxadiol, a metabolite of ginseng, inhibits colon cancer growth by targeting TRPC channel-mediated calcium influx. Journal of Nutritional Biochemistry, 2013, 24, 1096-1104.	4.2	38
53	Ghrelin receptor is activated by naringin and naringenin, constituents of a prokinetic agent Poncirus fructus. Journal of Ethnopharmacology, 2013, 148, 459-465.	4.1	24
54	Naringin Exhibits in vivo Prokinetic Activity via Activation of Ghrelin Receptor in Gastrointestinal Motility Dysfunction Rats. Pharmacology, 2013, 92, 191-197.	2.2	22

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55	Axonal Neuropathy-associated TRPV4 Regulates Neurotrophic Factor-derived Axonal Growth. Journal of Biological Chemistry, 2012, 287, 6014-6024.	3.4	50
56	Quantitative analysis of TRP channel genes in mouse organs. Archives of Pharmacal Research, 2012, 35, 1823-1830.	6.3	83
57	Influences of the G2350A polymorphism in the ACE Gene on cardiac structure and function of ball game players. Journal of Negative Results in BioMedicine, 2012, 11, 6.	1.4	4
58	The calcium-activated chloride channel anoctamin 1 acts as a heat sensor in nociceptive neurons. Nature Neuroscience, 2012, 15, 1015-1021.	14.8	316
59	TRPM8 mediates cold and menthol allergies associated with mast cell activation. Cell Calcium, 2010, 48, 202-208.	2.4	44
60	An aqueous extract of Poncirus fructus activates the prokinetic activity of 5-HT receptor subtype 4 without hERG interaction. Journal of Ethnopharmacology, 2010, 132, 328-333.	4.1	13
61	Hydroxyâ€Î±â€sanshool activates TRPV1 and TRPA1 in sensory neurons. European Journal of Neuroscience, 2007, 26, 1139-1147.	2.6	106