

Yongwoo Jang

List of Publications by Year in descending order

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Version: 2024-02-01

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	The calcium-activated chloride channel anoctamin 1 acts as a heat sensor in nociceptive neurons. <i>Nature Neuroscience</i> , 2012, 15, 1015-1021.	14.8	316
2	Sheath-run artificial muscles. <i>Science</i> , 2019, 365, 150-155.	12.6	218
3	Carbon Nanotube Yarn for Fiber-Shaped Electrical Sensors, Actuators, and Energy Storage for Smart Systems. <i>Advanced Materials</i> , 2020, 32, e1902670.	21.0	165
4	Metabolic control of primed human pluripotent stem cell fate and function by the miR-200c-SIRT2 axis. <i>Nature Cell Biology</i> , 2017, 19, 445-456.	10.3	138
5	Molecular mechanisms underlying the actions of arachidonic acid-derived prostaglandins on peripheral nociception. <i>Journal of Neuroinflammation</i> , 2020, 17, 30.	7.2	121
6	Hydroxy- α -capsanthin activates TRPV1 and TRPA1 in sensory neurons. <i>European Journal of Neuroscience</i> , 2007, 26, 1139-1147.	2.6	106
7	The RAB39B p.G192R mutation causes X-linked dominant Parkinson's disease. <i>Molecular Neurodegeneration</i> , 2015, 10, 50.	10.8	91
8	Quantitative analysis of TRP channel genes in mouse organs. <i>Archives of Pharmacal Research</i> , 2012, 35, 1823-1830.	6.3	83
9	Nurr1 (NR4A2) regulates Alzheimer's disease-related pathogenesis and cognitive function in the 5XFAD mouse model. <i>Aging Cell</i> , 2019, 18, e12866.	6.7	72
10	Self-healing graphene oxide-based composite for electromagnetic interference shielding. <i>Carbon</i> , 2019, 155, 499-505.	10.3	60
11	Anoctamin 1 (TMEM16A) is essential for testosterone-induced prostate hyperplasia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9722-9727.	7.1	53
12	PGE1 and PGA1 bind to Nurr1 and activate its transcriptional function. <i>Nature Chemical Biology</i> , 2020, 16, 876-886.	8.0	51
13	Axonal Neuropathy-associated TRPV4 Regulates Neurotrophic Factor-derived Axonal Growth. <i>Journal of Biological Chemistry</i> , 2012, 287, 6014-6024.	3.4	50
14	TRPM2, a Susceptibility Gene for Bipolar Disorder, Regulates Glycogen Synthase Kinase-3 Activity in the Brain. <i>Journal of Neuroscience</i> , 2015, 35, 11811-11823.	3.6	47
15	Wearable Energy Generating and Storing Textile Based on Carbon Nanotube Yarns. <i>Advanced Functional Materials</i> , 2020, 30, 2000411.	14.9	45
16	TRPM8 mediates cold and menthol allergies associated with mast cell activation. <i>Cell Calcium</i> , 2010, 48, 202-208.	2.4	44
17	Anoctamin 1 in secretory epithelia. <i>Cell Calcium</i> , 2014, 55, 355-361.	2.4	40
18	Tumor-Derived Osteopontin Suppresses Antitumor Immunity by Promoting Extramedullary Myelopoiesis. <i>Cancer Research</i> , 2014, 74, 6705-6716.	0.9	40

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19	20-O-β-D-glucopyranosyl-20(S)-protopanaxadiol, a metabolite of ginseng, inhibits colon cancer growth by targeting TRPC channel-mediated calcium influx. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1096-1104.	4.2	38
20	Self-Healing Electrode with High Electrical Conductivity and Mechanical Strength for Artificial Electronic Skin. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46026-46033.	8.0	37
21	Self-Powered Coiled Carbon-Nanotube Yarn Sensor for Gastric Electronics. <i>ACS Sensors</i> , 2019, 4, 2893-2899.	7.8	37
22	Self-Helical Fiber for Glucose-Responsive Artificial Muscle. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20228-20233.	8.0	37
23	Voluntary Movements as a Possible Non-Reflexive Pain Assay. <i>Molecular Pain</i> , 2013, 9, 1744-8069-9-25.	2.1	31
24	TRPM2 mediates the lysophosphatidic acid-induced neurite retraction in the developing brain. <i>Pflügers Archiv European Journal of Physiology</i> , 2014, 466, 1987-1998.	2.8	31
25	Chloroquine modulates inflammatory autoimmune responses through Nurr1 in autoimmune diseases. <i>Scientific Reports</i> , 2019, 9, 15559.	3.3	29
26	SIRT2 regulates mitochondrial dynamics and reprogramming via MEK1-ERK-DRP1 and AKT1-DRP1 axes. <i>Cell Reports</i> , 2021, 37, 110155.	6.4	28
27	Implantable Biosupercapacitor Inspired by the Cellular Redox System. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10563-10567.	13.8	27
28	Red ginseng extract blocks histamine-dependent itch by inhibition of H1R/TRPV1 pathway in sensory neurons. <i>Journal of Ginseng Research</i> , 2015, 39, 257-264.	5.7	25
29	Ghrelin receptor is activated by naringin and naringenin, constituents of a prokinetic agent <i>Poncirus fructus</i> . <i>Journal of Ethnopharmacology</i> , 2013, 148, 459-465.	4.1	24
30	Naringin Exhibits in vivo Prokinetic Activity via Activation of Ghrelin Receptor in Gastrointestinal Motility Dysfunction Rats. <i>Pharmacology</i> , 2013, 92, 191-197.	2.2	22
31	Nociceptive Roles of TRPM2 Ion Channel in Pathologic Pain. <i>Molecular Neurobiology</i> , 2018, 55, 6589-6600.	4.0	21
32	Bio-Inspired Stretchable and Contractible Tough Fiber by the Hybridization of GO/MWNT/Polyurethane. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31162-31168.	8.0	20
33	Quasi-solid-state highly stretchable circular knitted MnO ₂ @CNT supercapacitor. <i>RSC Advances</i> , 2020, 10, 14007-14012.	3.6	20
34	ANO1/TMEM16A regulates process maturation in radial glial cells in the developing brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12494-12499.	7.1	19
35	Electrical energy harvesting from ferritin bisrolled carbon nanotube yarn. <i>Biosensors and Bioelectronics</i> , 2020, 164, 112318.	10.1	19
36	Potent synthetic and endogenous ligands for the adopted orphan nuclear receptor Nurr1. <i>Experimental and Molecular Medicine</i> , 2021, 53, 19-29.	7.7	14

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37	An aqueous extract of <i>Poncirus fructus</i> activates the prokinetic activity of 5-HT receptor subtype 4 without hERG interaction. <i>Journal of Ethnopharmacology</i> , 2010, 132, 328-333.	4.1	13
38	Phytherapeutic effects of the fruits of <i>Poncirus trifoliata</i> (L.) Raf. on cancer, inflammation, and digestive dysfunction. <i>Phytotherapy Research</i> , 2018, 32, 616-624.	5.8	13
39	Disruption of <i>Ninjurin1</i> Leads to Repetitive and Anxiety-Like Behaviors in Mice. <i>Molecular Neurobiology</i> , 2017, 54, 7353-7368.	4.0	12
40	Biomimetic cell-actuated artificial muscle with nanofibrous bundles. <i>Microsystems and Nanoengineering</i> , 2021, 7, 70.	7.0	12
41	Two helices in the third intracellular loop determine anoctamin 1 (TMEM16A) activation by calcium. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 1677-1687.	2.8	11
42	<i>Trpm2</i> Ablation Accelerates Protein Aggregation by Impaired ADPR and Autophagic Clearance in the Brain. <i>Molecular Neurobiology</i> , 2019, 56, 3819-3832.	4.0	11
43	Two-Ply Carbon Nanotube Fiber-Typed Enzymatic Biofuel Cell Implanted in Mice. <i>IEEE Transactions on Nanobioscience</i> , 2020, 19, 333-338.	3.3	11
44	Self-Powered Inertial Sensor Based on Carbon Nanotube Yarn. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 8904-8910.	7.9	11
45	Self-Powered Carbon Nanotube Yarn for Acceleration Sensor Application. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 2676-2683.	7.9	10
46	Crotamiton, an Anti-Scabies Agent, Suppresses Histamine- and Chloroquine-Induced Itch Pathways in Sensory Neurons and Alleviates Scratching in Mice. <i>Biomolecules and Therapeutics</i> , 2020, 28, 569-575.	2.4	10
47	Involuntary swimming exercise in pregnant rats disturbs ERK1/2 signaling in embryonic neurons through increased cortisol in the amniotic fluid. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1208-1213.	2.1	9
48	Biomimetic Thermal-sensitive Multi-transform Actuator. <i>Scientific Reports</i> , 2019, 9, 7905.	3.3	9
49	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. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2390.	2.5	8
50	Amniotic fluid exerts a neurotrophic influence on fetal neurodevelopment via the ERK/GSK-3 pathway. <i>Biological Research</i> , 2015, 48, 44.	3.4	6
51	Poly(N-isopropylacrylamide) Hydrogel for Diving/Surfacing Device. <i>Micromachines</i> , 2021, 12, 210.	2.9	6
52	EF-hand like Region in the N-terminus of Anoctamin 1 Modulates Channel Activity by Ca^{2+} and Voltage. <i>Experimental Neurobiology</i> , 2019, 28, 658-669.	1.6	6
53	Influences of the G2350A polymorphism in the ACE Gene on cardiac structure and function of ball game players. <i>Journal of Negative Results in BioMedicine</i> , 2012, 11, 6.	1.4	4
54	Direct conversion from skin fibroblasts to functional dopaminergic neurons for biomedical application. <i>Biomedical Dermatology</i> , 2017, 1, .	7.7	4

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55	Carbon Nanotube Yarn: Carbon Nanotube Yarn for Fiber-Shaped Electrical Sensors, Actuators, and Energy Storage for Smart Systems (<i>Adv. Mater.</i> 5/2020). <i>Advanced Materials</i> , 2020, 32, 2070034.	21.0	4
56	An Atmospheric Plasma Jet Induces Expression of Wound Healing Genes in Progressive Burn Wounds in a Comb Burn Rat Model: A Pilot Study. <i>Journal of Burn Care and Research</i> , 2023, 44, 685-692.	0.4	4
57	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. <i>BMB Reports</i> , 2018, 51, 236-241.	2.4	4
58	Different perception levels of histamine-induced itch sensation in young adult mice. <i>Physiology and Behavior</i> , 2018, 188, 188-193.	2.1	3
59	Design and Medical Effects of a Vaginal Cleaning Device Generating Plasma-Activated Water with Antimicrobial Activity on Bacterial Vaginosis. <i>Plasma</i> , 2020, 3, 204-213.	1.8	3
60	Implantable Biosupercapacitor Inspired by the Cellular Redox System. <i>Angewandte Chemie</i> , 2021, 133, 10657-10661.	2.0	2
61	Human Trial for the Effect of Plasma-Activated Water Spray on Vaginal Cleaning in Patients with Bacterial Vaginosis. <i>Medical Sciences (Basel, Switzerland)</i> , 2022, 10, 33.	2.9	1