

Seog Bae Oh

List of Publications by Year in Descending Order

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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.

125
papers

4,506
citations

38
h-index

64
g-index

131
ext. papers

5,092
ext. citations

6
avg, IF

5.03
L-index

#	Paper	IF	Citations
125	In Vitro Visualization of Cell-to-Cell Interactions Between Natural Killer Cells and Sensory Neurons.. <i>Methods in Molecular Biology</i> , 2022 , 2463, 251-268	1.4	1
124	Mitochondrial Reactive Oxygen Species Elicit Acute and Chronic Itch via Transient Receptor Potential Canonical 3 Activation in Mice.. <i>Neuroscience Bulletin</i> , 2022 , 1	4.3	0
123	The Nature of Noradrenergic Volume Transmission From Locus Coeruleus to Brainstem Mesencephalic Trigeminal Sensory Neurons.. <i>Frontiers in Cellular Neuroscience</i> , 2022 , 16, 841239	6.1	0
122	Upregulation of Toll-like Receptor 2 in Dental Primary Afferents Following Pulp Injury. <i>Experimental Neurobiology</i> , 2021 , 30, 329-340	4	1
121	Antinociceptive effect of intrathecal P7C3 via GABA in a rat model of inflammatory pain. <i>European Journal of Pharmacology</i> , 2021 , 899, 174029	5.3	3
120	The voltage-gated proton channel Hv1 promotes microglia-astrocyte communication and neuropathic pain after peripheral nerve injury. <i>Molecular Brain</i> , 2021 , 14, 99	4.5	3
119	Naloxone-induced analgesia mediated by central kappa opioid system in chronic inflammatory pain. <i>Brain Research</i> , 2021 , 1762, 147445	3.7	2
118	Lack of correlation between spinal microgliosis and long-term development of tactile hypersensitivity in two different sciatic nerve crush injury. <i>Molecular Pain</i> , 2021 , 17, 17448069211011326	2.4	1
117	Patterns of brain c-Fos expression in response to feeding behavior in acute and chronic inflammatory pain condition. <i>NeuroReport</i> , 2021 , 32, 1269-1277	1.7	2
116	Expression of Ca _v 3.1 T-type Calcium Channels in Acutely Isolated Adult Rat Odontoblasts. <i>Archives of Oral Biology</i> , 2020 , 118, 104864	2.8	1
115	Involvement of cannabinoid type 1 receptor in fasting-induced analgesia. <i>Molecular Pain</i> , 2020 , 16, 1744806920969476	2.4	0
114	Epigenetic Modification of CFTR in Head and Neck Cancer. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	7
113	Cytotoxic Immunity in Peripheral Nerve Injury and Pain. <i>Frontiers in Neuroscience</i> , 2020 , 14, 142	5.1	31
112	Natural Killer Cells Degenerate Intact Sensory Afferents following Nerve Injury. <i>Cell</i> , 2019 , 176, 716-728	5.18	58
111	Neurophysiology of Orofacial Pain 2019 , 1749-1771		
110	Alpha 2 adrenoceptor agonist guanabenz directly inhibits hyperpolarization-activated, cyclic nucleotide-modulated (HCN) channels in mesencephalic trigeminal nucleus neurons. <i>European Journal of Pharmacology</i> , 2019 , 854, 320-327	5.3	5
109	The analgesic effect of refeeding on acute and chronic inflammatory pain. <i>Scientific Reports</i> , 2019 , 9, 16873	4.9	10

108	Update on dentin hypersensitivity: with the focus on hydrodynamic theory and mechanosensitive ion channels. <i>International Journal of Oral Biology: Official Journal of the Korean Academy of Oral Biology and the UCLA Dental Research Institute</i> , 2019 , 44, 71-76	0.2	1
107	Hedonic drinking engages a supraspinal inhibition of thermal nociception in adult rats. <i>Pain</i> , 2019 , 160, 1059-1069	8	11
106	TRPM7 Mediates Mechanosensitivity in Adult Rat Odontoblasts. <i>Journal of Dental Research</i> , 2018 , 97, 1039-1046	8.1	21
105	Peripheral GABA receptor-mediated signaling facilitates persistent inflammatory hypersensitivity. <i>Neuropharmacology</i> , 2018 , 135, 572-580	5.5	14
104	Oxytocin produces thermal analgesia via vasopressin-1a receptor by modulating TRPV1 and potassium conductance in the dorsal root ganglion neurons. <i>Korean Journal of Physiology and Pharmacology</i> , 2018 , 22, 173-182	1.8	17
103	Electrophysiological and Morphological Properties of δ and μ Motoneurons in the Rat Trigeminal Motor Nucleus. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 9	6.1	5
102	Inhibition of GluR Current in Microvilli of Sensory Neurons via Na-Microdomain Coupling Among GluR, HCN Channel, and Na/K Pump. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 113	6.1	2
101	Molecular expression of Mg regulator TRPM7 and CNNM4 in rat odontoblasts. <i>Archives of Oral Biology</i> , 2018 , 96, 182-188	2.8	9
100	Pharmacopuncture With <i>Scolopendra subspinipes</i> Suppresses Mechanical Allodynia in Oxaliplatin-Induced Neuropathic Mice and Potentiates Clonidine-induced Anti-allodynia Without Hypotension or Motor Impairment. <i>Journal of Pain</i> , 2018 , 19, 1157-1168	5.2	7
99	TRPM2 contributes to LPC-induced intracellular Ca influx and microglial activation. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 485, 301-306	3.4	22
98	Piezo2 Expression in Mechanosensitive Dental Primary Afferent Neurons. <i>Journal of Dental Research</i> , 2017 , 96, 931-937	8.1	20
97	Acute inflammation reveals GABA receptor-mediated nociception in mouse dorsal root ganglion neurons via PGE receptor 4 signaling. <i>Physiological Reports</i> , 2017 , 5, e13178	2.6	13
96	A distinct functional distribution of δ and μ motoneurons in the rat trigeminal motor nucleus. <i>Brain Structure and Function</i> , 2017 , 222, 3231-3239	4	3
95	A critical role of spinal Shank2 proteins in NMDA-induced pain hypersensitivity. <i>Molecular Pain</i> , 2017 , 13, 1744806916688902	3.4	5
94	Sinomenine produces peripheral analgesic effects via inhibition of voltage-gated sodium currents. <i>Neuroscience</i> , 2017 , 358, 28-36	3.9	13
93	Extracellular ATP Induces Calcium Signaling in Odontoblasts. <i>Journal of Dental Research</i> , 2017 , 96, 200-207	11	
92	A Bacterial Toxin with Analgesic Properties: Hyperpolarization of DRG Neurons by Mycolactone. <i>Toxins</i> , 2017 , 9,	4.9	16
91	Neurophysiology of Orofacial Pain 2017 , 1-23		4

90	Neurophysiology of Orofacial Pain 2017 , 1-23		3
89	Neurophysiology of Orofacial Pain 2017 , 1-23		
88	Role of peripheral sigma-1 receptors in ischaemic pain: Potential interactions with ASIC and P2X receptors. <i>European Journal of Pain</i> , 2016 , 20, 594-606	3.7	10
87	Rat odontoblasts may use glutamate to signal dentin injury. <i>Neuroscience</i> , 2016 , 335, 54-63	3.9	13
86	A role of CB1R in inducing β -rhythm coordination between the gustatory and gastrointestinal insula. <i>Scientific Reports</i> , 2016 , 6, 32529	4.9	5
85	High-resolution transcriptome analysis reveals neuropathic pain gene-expression signatures in spinal microglia after nerve injury. <i>Pain</i> , 2016 , 157, 964-976	8	30
84	Histamine 1 receptor-G β AMP/PKA-CFTR pathway mediates the histamine-induced resetting of the suprachiasmatic circadian clock. <i>Molecular Brain</i> , 2016 , 9, 49	4.5	15
83	Activation of microglial P2Y12 receptor is required for outward potassium currents in response to neuronal injury. <i>Neuroscience</i> , 2016 , 318, 22-33	3.9	39
82	Clonidine, an alpha-2 adrenoceptor agonist relieves mechanical allodynia in oxaliplatin-induced neuropathic mice; potentiation by spinal p38 MAPK inhibition without motor dysfunction and hypotension. <i>International Journal of Cancer</i> , 2016 , 138, 2466-76	7.5	20
81	Recent advances in basic research on the trigeminal ganglion. <i>Journal of Physiological Sciences</i> , 2016 , 66, 381-6	2.3	29
80	Inhibition of mechanical allodynia in neuropathic pain by TLR5-mediated A-fiber blockade. <i>Nature Medicine</i> , 2015 , 21, 1326-31	50.5	180
79	Trans-activation of TRPV1 by D1R in mouse dorsal root ganglion neurons. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 465, 832-7	3.4	7
78	Spinal sigma-1 receptor activation increases the production of D-serine in astrocytes which contributes to the development of mechanical allodynia in a mouse model of neuropathic pain. <i>Pharmacological Research</i> , 2015 , 100, 353-64	10.2	26
77	Microglial interleukin-1 β in the ipsilateral dorsal horn inhibits the development of mirror-image contralateral mechanical allodynia through astrocyte activation in a rat model of inflammatory pain. <i>Pain</i> , 2015 , 156, 1046-1059	8	33
76	Generation of resonance-dependent oscillation by mGluR-I activation switches single spiking to bursting in mesencephalic trigeminal sensory neurons. <i>European Journal of Neuroscience</i> , 2015 , 41, 998-1012	3.5	4
75	Attenuation of natural killer cell functions by capsaicin through a direct and TRPV1-independent mechanism. <i>Carcinogenesis</i> , 2014 , 35, 1652-60	4.6	18
74	NKG2D ligation relieves 2B4-mediated NK-cell self-tolerance in mice. <i>European Journal of Immunology</i> , 2014 , 44, 1802-13	6.1	3
73	Single-cell RT-PCR and immunocytochemical detection of mechanosensitive transient receptor potential channels in acutely isolated rat odontoblasts. <i>Archives of Oral Biology</i> , 2014 , 59, 1266-71	2.8	22

72	TRPV1 receptors activate astrocytes via p38 MAPK phosphorylation leading to the development of mechanical allodynia in a mouse model of neuropathic pain. <i>British Journal of Pharmacology</i> , 2014 , 171, 5881-97	8.6	47
71	Activation of transient receptor potential ankyrin 1 by eugenol. <i>Neuroscience</i> , 2014 , 261, 153-60	3.9	36
70	Acid evoked thermal hyperalgesia involves peripheral P2Y1 receptor mediated TRPV1 phosphorylation in a rodent model of thrombus induced ischemic pain. <i>Molecular Pain</i> , 2014 , 10, 2	3.4	25
69	Cellular and molecular mechanisms of dental nociception. <i>Journal of Dental Research</i> , 2013 , 92, 948-55	8.1	67
68	Spinal sigma-1 receptors activate NADPH oxidase 2 leading to the induction of pain hypersensitivity in mice and mechanical allodynia in neuropathic rats. <i>Pharmacological Research</i> , 2013 , 74, 56-67	10.2	44
67	Eugenol as Local Anesthetic 2013 , 4001-4015		5
66	Activity-dependent silencing reveals functionally distinct itch-generating sensory neurons. <i>Nature Neuroscience</i> , 2013 , 16, 910-8	25.5	104
65	Permeation and block of TRPV1 channels by the cationic lidocaine derivative QX-314. <i>Journal of Neurophysiology</i> , 2013 , 109, 1704-12	3.2	63
64	TRP Channels in Dental Pain. <i>Open Pain Journal</i> , 2013 , 6, 31-36	0.3	19
63	TRPV1 in GABAergic interneurons mediates neuropathic mechanical allodynia and disinhibition of the nociceptive circuitry in the spinal cord. <i>Neuron</i> , 2012 , 74, 640-7	13.9	119
62	Directed induction of functional motor neuron-like cells from genetically engineered human mesenchymal stem cells. <i>PLoS ONE</i> , 2012 , 7, e35244	3.7	30
61	Neurochemical properties of dental primary afferent neurons. <i>Experimental Neurobiology</i> , 2012 , 21, 68-74		10
60	A Novel Carbamoyloxy Arylalkanoyl Arylpiperazine Compound (SKL-NP) Inhibits Hyperpolarization-Activated Cyclic Nucleotide-Gated (HCN) Channel Currents in Rat Dorsal Root Ganglion Neurons. <i>Korean Journal of Physiology and Pharmacology</i> , 2012 , 16, 237-41	1.8	1
59	Retraction: A Novel Carbamoyloxy Arylalkanoyl Arylpiperazine Compound (SKL-NP) Inhibits Hyperpolarization-Activated Cyclic Nucleotide-Gated (HCN) Channel Currents in Rat Dorsal Root Ganglion Neurons. <i>Korean Journal of Physiology and Pharmacology</i> , 2012 , 16, 367	1.8	
58	Role of TRP channels in pain sensation. <i>Advances in Experimental Medicine and Biology</i> , 2011 , 704, 615-36	3.6	73
57	Eugenol reverses mechanical allodynia after peripheral nerve injury by inhibiting hyperpolarization-activated cyclic nucleotide-gated (HCN) channels. <i>Pain</i> , 2011 , 152, 2108-2116	8	27
56	Characterization of dental nociceptive neurons. <i>Journal of Dental Research</i> , 2011 , 90, 771-6	8.1	47
55	R-type Calcium Channel Isoform in Rat Dorsal Root Ganglion Neurons. <i>Korean Journal of Physiology and Pharmacology</i> , 2010 , 14, 45-9	1.8	12

54	Sphingosine-1-phosphate signaling in human submandibular cells. <i>Journal of Dental Research</i> , 2010 , 89, 1148-53	8.1	7
53	Lysophosphatidylcholine increases neutrophil bactericidal activity by enhancement of azurophil granule-phagosome fusion via glycine.GlyR alpha 2/TRPM2/p38 MAPK signaling. <i>Journal of Immunology</i> , 2010 , 184, 4401-13	5.3	53
52	Curcumin produces an antihyperalgesic effect via antagonism of TRPV1. <i>Journal of Dental Research</i> , 2010 , 89, 170-4	8.1	77
51	Correction: Lysophosphatidylcholine Increases Neutrophil Bactericidal Activity by Enhancement of Azurophil Granule-Phagosome Fusion via Glycine-GlyR α /TRPM2/p38 MAPK Signaling. <i>Journal of Immunology</i> , 2010 , 185, 1985-1985	5.3	
50	Substance P sensitizes P2X3 in nociceptive trigeminal neurons. <i>Journal of Dental Research</i> , 2010 , 89, 1154-9	8.1	29
49	Selectively targeting pain in the trigeminal system. <i>Pain</i> , 2010 , 150, 29-40	8	43
48	Painful Neuron-Microglia Interactions in the Trigeminal Sensory System. <i>Open Pain Journal</i> , 2010 , 3, 14-28.3		6
47	Membrane-delimited coupling of TRPV1 and mGluR5 on presynaptic terminals of nociceptive neurons. <i>Journal of Neuroscience</i> , 2009 , 29, 10000-9	6.6	57
46	Role of purinergic receptor in alpha fodrin degradation in Par C5 cells. <i>Journal of Dental Research</i> , 2009 , 88, 927-32	8.1	10
45	Histamine H1 receptor induces cytosolic calcium increase and aquaporin translocation in human salivary gland cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 330, 403-12	4.7	30
44	Molecular mechanism for local anesthetic action of eugenol in the rat trigeminal system. <i>Pain</i> , 2009 , 144, 84-94	8	82
43	Adult rat odontoblasts lack noxious thermal sensitivity. <i>Journal of Dental Research</i> , 2009 , 88, 328-32	8.1	26
42	Coapplication of lidocaine and the permanently charged sodium channel blocker QX-314 produces a long-lasting nociceptive blockade in rodents. <i>Anesthesiology</i> , 2009 , 111, 127-37	4.3	78
41	Ion Channels with Mechanosensitivity in the Nervous System 2009 , 23-49		2
40	Differential Changes in TRPV1 expression after trigeminal sensory nerve injury. <i>Journal of Pain</i> , 2008 , 9, 280-8	5.2	64
39	Direct activation of transient receptor potential vanilloid 1 (TRPV1) by diacylglycerol (DAG). <i>Molecular Pain</i> , 2008 , 4, 42	3.4	82
38	Toll-like receptor 2 contributes to glial cell activation and heme oxygenase-1 expression in traumatic brain injury. <i>Neuroscience Letters</i> , 2008 , 431, 123-8	3.3	34
37	Modulation of CaV2.3 calcium channel currents by eugenol. <i>Journal of Dental Research</i> , 2008 , 87, 137-41.8.1		32

36	Effects of somatostatin on the responses of rostrally projecting spinal dorsal horn neurons to noxious stimuli in cats. <i>Korean Journal of Physiology and Pharmacology</i> , 2008 , 12, 253-8	1.8	3
35	Eugenol Inhibits ATP-induced P2X Currents in Trigeminal Ganglion Neurons. <i>Korean Journal of Physiology and Pharmacology</i> , 2008 , 12, 315-21	1.8	24
34	Eugenol inhibits K ⁺ currents in trigeminal ganglion neurons. <i>Journal of Dental Research</i> , 2007 , 86, 898-902	2.1	34
33	Double-stranded RNA induces iNOS gene expression in Schwann cells, sensory neuronal death, and peripheral nerve demyelination. <i>Glia</i> , 2007 , 55, 712-22	9	28
32	P2X1 and P2X4 receptor currents in mouse macrophages. <i>British Journal of Pharmacology</i> , 2007 , 152, 1283-90	8.6	42
31	The F-actin-microtubule crosslinker Shot is a platform for Krasavietz-mediated translational regulation of midline axon repulsion. <i>Development (Cambridge)</i> , 2007 , 134, 1767-77	6.6	56
30	Molecular basis of Ca _v 2.3 calcium channels in rat nociceptive neurons. <i>Journal of Biological Chemistry</i> , 2007 , 282, 4757-4764	5.4	39
29	A critical role of toll-like receptor 2 in nerve injury-induced spinal cord glial cell activation and pain hypersensitivity. <i>Journal of Biological Chemistry</i> , 2007 , 282, 14975-83	5.4	225
28	Systemic administration of minocycline inhibits formalin-induced inflammatory pain in rat. <i>Brain Research</i> , 2006 , 1072, 208-14	3.7	49
27	TLR3-mediated signal induces proinflammatory cytokine and chemokine gene expression in astrocytes: differential signaling mechanisms of TLR3-induced IP-10 and IL-8 gene expression. <i>Glia</i> , 2006 , 53, 248-56	9	129
26	Mechanosensitivity of voltage-gated K ⁺ currents in rat trigeminal ganglion neurons. <i>Journal of Neuroscience Research</i> , 2006 , 83, 1373-80	4.4	17
25	Eugenol inhibits sodium currents in dental afferent neurons. <i>Journal of Dental Research</i> , 2006 , 85, 900-4	8.1	67
24	Functional expression of thermo-transient receptor potential channels in dental primary afferent neurons: implication for tooth pain. <i>Journal of Biological Chemistry</i> , 2006 , 281, 17304-17311	5.4	109
23	Acquisition of in vitro and in vivo functionality of Nurr1-induced dopamine neurons. <i>FASEB Journal</i> , 2006 , 20, 2553-5	0.9	47
22	Requirement of homotypic NK-cell interactions through 2B4(CD244)/CD48 in the generation of NK effector functions. <i>Blood</i> , 2006 , 107, 3181-8	2.2	69
21	Molecular cloning and functional expression of a sodium bicarbonate cotransporter from guinea-pig parotid glands. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 342, 1114-22	3.4	9
20	Group I mGluR regulates the polarity of spike-timing dependent plasticity in substantia gelatinosa neurons. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 347, 509-16	3.4	10
19	Necrotic neuronal cells induce inflammatory Schwann cell activation via TLR2 and TLR3: implication in Wallerian degeneration. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 350, 742-7	3.4	72

18	Effects of pilocarpine on the secretory acinar cells in human submandibular glands. <i>Life Sciences</i> , 2006 , 79, 2441-7	6.8	13
17	Activation of glia and microglial p38 MAPK in medullary dorsal horn contributes to tactile hypersensitivity following trigeminal sensory nerve injury. <i>Pain</i> , 2006 , 121, 219-231	8	170
16	Involvement of transient receptor potential vanilloid-1 in calcium current inhibition by capsaicin. <i>NeuroReport</i> , 2006 , 17, 145-9	1.7	5
15	Experience-dependent modification of mechanisms of long-term depression. <i>Nature Neuroscience</i> , 2006 , 9, 170-2	25.5	40
14	Effect of nitric oxide on hyperpolarization-activated current in substantia gelatinosa neurons of rats. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 338, 1648-53	3.4	10
13	Eugenol inhibits calcium currents in dental afferent neurons. <i>Journal of Dental Research</i> , 2005 , 84, 848-58	8.1	68
12	Inhibitory effects of autoantibodies on the muscarinic receptors in Sjögren's syndrome. <i>Laboratory Investigation</i> , 2004 , 84, 1430-8	5.9	79
11	CpG oligodeoxynucleotides induce expression of proinflammatory cytokines and chemokines in astrocytes: the role of c-Jun N-terminal kinase in CpG ODN-mediated NF-kappaB activation. <i>Journal of Neuroimmunology</i> , 2004 , 153, 50-63	3.5	34
10	Molecular mechanisms underlying calcium current modulation by nociceptin. <i>NeuroReport</i> , 2004 , 15, 2205-9	1.7	15
9	Activation of vanilloid receptor 1 (VR1) by eugenol. <i>Journal of Dental Research</i> , 2003 , 82, 781-5	8.1	143
8	CD4 dependence of gp120/IIIB-CXCR4 interaction is cell-type specific. <i>Journal of Neuroimmunology</i> , 2003 , 140, 1-12	3.5	20
7	Expression of Na ⁺ /HCO ₃ ⁻ cotransporter and its role in pH regulation in mouse parotid acinar cells. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 304, 593-8	3.4	20
6	GABAergic and serotonergic modulation of calcium currents in rat trigeminal motoneurons. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 309, 58-65	3.4	5
5	Electrophysiological analysis of neuronal chemokine receptors. <i>Methods</i> , 2003 , 29, 335-44	4.6	12
4	Regulation of calcium currents by chemokines and their receptors. <i>Journal of Neuroimmunology</i> , 2002 , 123, 66-75	3.5	72
3	Why Do Neurons Express Chemokine Receptors? 2002 , 273-288		3
2	Chemokines and glycoprotein120 produce pain hypersensitivity by directly exciting primary nociceptive neurons. <i>Journal of Neuroscience</i> , 2001 , 21, 5027-35	6.6	411
1	The status of voltage-dependent calcium channels in alpha 1E knock-out mice. <i>Journal of Neuroscience</i> , 2000 , 20, 8566-71	6.6	138

