Jae-Yong Park

List of Publications by Year in descending order

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127	3,595	30	53
papers	citations	h-index	g-index
130	130	130	6169
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	TREK-1 and Best1 Channels Mediate Fast and Slow Glutamate Release in Astrocytes upon GPCR Activation. Cell, 2012, 151, 25-40.	13.5	283
2	Lipocalin-2 Is an Autocrine Mediator of Reactive Astrocytosis. Journal of Neuroscience, 2009, 29, 234-249.	1.7	232
3	Caffeine-Mediated Inhibition of Calcium Release Channel Inositol 1,4,5-Trisphosphate Receptor Subtype 3 Blocks Glioblastoma Invasion and Extends Survival. Cancer Research, 2010, 70, 1173-1183.	0.4	157
4	A Dual Role of Lipocalin 2 in the Apoptosis and Deramification of Activated Microglia. Journal of Immunology, 2007, 179, 3231-3241.	0.4	151
5	Light-inducible receptor tyrosine kinases that regulate neurotrophin signalling. Nature Communications, 2014, 5, 4057.	5.8	123
6	A disulphide-linked heterodimer of TWIK-1 and TREK-1 mediates passive conductance in astrocytes. Nature Communications, 2014, 5, 3227.	5.8	112
7	CHI3L1 (YKLâ€40) is expressed in human gliomas and regulates the invasion, growth and survival of glioma cells. International Journal of Cancer, 2011, 128, 1316-1326.	2.3	99
8	The generation of iPS cells using non-viral magnetic nanoparticlebased transfection. Biomaterials, 2011, 32, 6683-6691.	5.7	88
9	(ADP-ribose) polymerase 1 and AMP-activated protein kinase mediate progressive dopaminergic neuronal degeneration in a mouse model of Parkinson's disease. Cell Death and Disease, 2013, 4, e919-e919.	2.7	80
10	RhoGDI2 Expression Is Associated with Tumor Growth and Malignant Progression of Gastric Cancer. Clinical Cancer Research, 2009, 15, 2612-2619.	3.2	79
11	CDK5-dependent inhibitory phosphorylation of Drp1 during neuronal maturation. Experimental and Molecular Medicine, 2014, 46, e 105 -e 105 .	3.2	72
12	The macrophage odorant receptor Olfr78 mediates the lactate-induced M2 phenotype of tumor-associated macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118 , .	3.3	57
13	Synchronous activation of gonadotropin-releasing hormone gene transcription and secretion by pulsatile kisspeptin stimulation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5677-5682.	3.3	56
14	Hypoxic induction of caspase- 11 /caspase- 1 /interleukin- $1\hat{1}^2$ in brain microglia. Molecular Brain Research, 2003, 114, 107-114.	2.5	53
15	Sulfonate chalcone as new class voltage-dependent K+ channel blocker. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 137-140.	1.0	52
16	Neurotoxicity of microglial cathepsin D revealed by secretome analysis. Journal of Neurochemistry, 2007, 103, 2640-2650.	2.1	51
17	PEBP1, a RAF kinase inhibitory protein, negatively regulates starvation-induced autophagy by direct interaction with LC3. Autophagy, 2016, 12, 2183-2196.	4.3	49
18	BACE1 inhibitory effects of lavandulyl flavanones from Sophora flavescens. Bioorganic and Medicinal Chemistry, 2008, 16, 6669-6674.	1.4	47

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19	Gadd45b Mediates Fas-induced Apoptosis by Enhancing the Interaction between p38 and Retinoblastoma Tumor Suppressor. Journal of Biological Chemistry, 2010, 285, 25500-25505.	1.6	47
20	Human nuclear clusterin mediates apoptosis by interacting with Bclâ€XL through Câ€ŧerminal coiled coil domain. Journal of Cellular Physiology, 2012, 227, 1157-1167.	2.0	47
21	Identification of TG100-115 as a new and potent TRPM7 kinase inhibitor, which suppresses breast cancer cell migration and invasion. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 947-957.	1.1	47
22	Lamotrigine inhibits TRESK regulated by G-protein coupled receptor agonists. Biochemical and Biophysical Research Communications, 2008, 367, 609-615.	1.0	42
23	Enhanced delivery of liposomes to lung tumor through targeting interleukin-4 receptor on both tumor cells and tumor endothelial cells. Journal of Controlled Release, 2015, 209, 327-336.	4.8	41
24	Suppression of 14-3-3î³-mediated surface expression of ANO1 inhibits cancer progression of glioblastoma cells. Scientific Reports, 2016, 6, 26413.	1.6	41
25	Bladder tumor-targeted delivery of pro-apoptotic peptide for cancer therapy. Journal of Controlled Release, 2016, 235, 259-267.	4.8	40
26	TRPM4b channel suppresses store-operated Ca2+ entry by a novel protein–protein interaction with the TRPC3 channel. Biochemical and Biophysical Research Communications, 2008, 368, 677-683.	1.0	37
27	Interactions of acetylcholinesterase with caveolin-1 and subsequently with cytochrome c are required for apoptosome formation. Carcinogenesis, 2008, 29, 729-737.	1.3	36
28	Modulation of Endothelial Bone Morphogenetic Protein Receptor Type 2 Activity by Vascular Endothelial Growth Factor Receptor 3 in Pulmonary Arterial Hypertension. Circulation, 2017, 135, 2288-2298.	1.6	36
29	Blockade of K ⁺ and Ca ²⁺ Channels by Azole Antifungal Agents in Neonatal Rat Ventricular Myocytes. Biological and Pharmaceutical Bulletin, 2012, 35, 1469-1475.	0.6	32
30	TWIK-1/TASK-3 heterodimeric channels contribute to the neurotensin-mediated excitation of hippocampal dentate gyrus granule cells. Experimental and Molecular Medicine, 2018, 50, 1-13.	3.2	32
31	p38 Stabilizes Snail by Suppressing DYRK2-Mediated Phosphorylation That Is Required for GSK3β-βTrCP–Induced Snail Degradation. Cancer Research, 2019, 79, 4135-4148.	0.4	32
32	Copine1 Enhances Neuronal Differentiation of the Hippocampal Progenitor HiB5 Cells. Molecules and Cells, 2012, 34, 549-554.	1.0	31
33	Two-pore Domain Potassium Channels in Astrocytes. Experimental Neurobiology, 2016, 25, 222-232.	0.7	31
34	TMEM14A inhibits N-(4-hydroxyphenyl)retinamide-induced apoptosis through the stabilization of mitochondrial membrane potential. Cancer Letters, 2011, 309, 190-198.	3.2	30
35	Calcyon Forms a Novel Ternary Complex with Dopamine D1 Receptor through PSD-95 Protein and Plays a Role in Dopamine Receptor Internalization. Journal of Biological Chemistry, 2012, 287, 31813-31822.	1.6	29
36	Mutation of the TERT promoter leads to poor prognosis of patients with non-small cell lung cancer. Oncology Letters, 2017, 14, 1609-1614.	0.8	29

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37	Diclofenac, a Non-steroidal Anti-inflammatory Drug, Inhibits L-type Ca2+ Channels in Neonatal Rat Ventricular Cardiomyocytes. Korean Journal of Physiology and Pharmacology, 2009, 13, 437.	0.6	28
38	Enhancement of TREK1 channel surface expression by protein–protein interaction with β-COP. Biochemical and Biophysical Research Communications, 2010, 395, 244-250.	1.0	28
39	Copine1 regulates neural stem cell functions during brain development. Biochemical and Biophysical Research Communications, 2018, 495, 168-173.	1.0	28
40	Levobupivacaine-induced contraction of isolated rat aorta is calcium dependent. Canadian Journal of Physiology and Pharmacology, 2011, 89, 467-476.	0.7	27
41	Copine1 C2 domains have a critical calcium-independent role in the neuronal differentiation of hippocampal progenitor HiB5 cells. Biochemical and Biophysical Research Communications, 2014, 454, 228-233.	1.0	27
42	Alternative splicing generates a novel non-secretable cytosolic isoform of NELL2. Biochemical and Biophysical Research Communications, 2007, 353, 805-811.	1.0	25
43	The Direct Effect of Levobupivacaine in Isolated Rat Aorta Involves Lipoxygenase Pathway Activation and Endothelial Nitric Oxide Release. Anesthesia and Analgesia, 2010, 110, 341-349.	1.1	25
44	A Novel Cytosolic Isoform of Mitochondrial Trans-2-Enoyl-CoA Reductase Enhances Peroxisome Proliferator-Activated Receptor α Activity. Endocrinology and Metabolism, 2014, 29, 185.	1.3	25
45	Resveratrol Induces Glioma Cell Apoptosis through Activation of Tristetraprolin. Molecules and Cells, 2015, 38, 991-997.	1.0	25
46	Caveolin-2 regulation of STAT3 transcriptional activation in response to insulin. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1325-1333.	1.9	24
47	TWIK-1 contributes to the intrinsic excitability of dentate granule cells in mouse hippocampus. Molecular Brain, 2014, 7, 80.	1.3	24
48	Physiological functions of the TRPM4 channels via protein interactions. BMB Reports, 2015, 48, 1-5.	1.1	23
49	Depletion of 14-3-3 ³ reduces the surface expression of Transient Receptor Potential Melastatin 4b (TRPM4b) Channels and attenuates TRPM4b-mediated glutamate-induced neuronal cell death. Molecular Brain, 2014, 7, 52.	1.3	22
50	TTYH1 and TTYH2 Serve as LRRC8A-Independent Volume-Regulated Anion Channels in Cancer Cells. Cells, 2019, 8, 562.	1.8	22
51	Regulation of the epithelial to mesenchymal transition and metastasis by Raf kinase inhibitory protein-dependent Notch1 activity. Oncotarget, 2016, 7, 4632-4646.	0.8	22
52	Expression of thermosensitive twoâ€pore domain K ⁺ channels in human keratinocytes cell line HaCaT cells. Experimental Dermatology, 2007, 16, 1016-1022.	1.4	21
53	Cloning and characterization of rat transient receptor potential-melastatin 4 (TRPM4). Biochemical and Biophysical Research Communications, 2010, 391, 806-811.	1.0	21
54	Expression and localization of two-pore domain K+ channels in bovine germ cells. Reproduction, 2009, 137, 237-244.	1.1	20

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55	Interaction of a putative BH3 domain of clusterin with anti-apoptotic Bcl-2 family proteins as revealed by NMR spectroscopy. Biochemical and Biophysical Research Communications, 2011, 408, 541-547.	1.0	20
56	Inhibition of PCGF2 enhances granulocytic differentiation of acute promyelocytic leukemia cell line HL-60 via induction of HOXA7. Biochemical and Biophysical Research Communications, 2011, 416, 86-91.	1.0	20
57	A novel domain of caveolin-2 that controls nuclear targeting: regulation of insulin-specific ERK activation and nuclear translocation by caveolin-2. Journal of Cellular and Molecular Medicine, 2011, 15, 888-908.	1.6	20
58	Surface expression of the Anoctamin-1 (ANO1) channel is suppressed by protein–protein interactions with β-COP. Biochemical and Biophysical Research Communications, 2016, 475, 216-222.	1.0	20
59	TMEM16A expression in cholinergic neurons of the medial habenula mediates anxietyâ€related behaviors. EMBO Reports, 2020, 21, e48097.	2.0	20
60	Emerging roles of 14-3-3 \hat{I}^3 in the brain disorder. BMB Reports, 2020, 53, 500-511.	1.1	20
61	Acetylcholine increases Ca2+ influx by activation of CaMKII in mouse oocytes. Biochemical and Biophysical Research Communications, 2007, 360, 476-482.	1.0	19
62	Prediction and screening of nuclear targeting proteins with nuclear localization signals in Helicobacter pylori. Journal of Microbiological Methods, 2012, 91, 490-496.	0.7	19
63	Acetylcholine induces Ca 2+ oscillations via m3/m4 muscarinic receptors in the mouse oocyte. Pflugers Archiv European Journal of Physiology, 2003, 447, 321-327.	1.3	17
64	Downregulation of CHIP promotes ovarian cancer metastasis by inducing Snailâ€mediated epithelial–mesenchymal transition. Molecular Oncology, 2019, 13, 1280-1295.	2.1	17
65	Un effet direct de la ropivacaÃ⁻ne implique l'activation des voies de la lipoxygénase dans le muscle lisse de l'aorte du rat. Canadian Journal of Anaesthesia, 2009, 56, 298-306.	0.7	16
66	Clusterin regulates transthyretin amyloidosis. Biochemical and Biophysical Research Communications, 2009, 388, 256-260.	1.0	16
67	Rab6â€Mediated Retrograde Transport Regulates Inner Nuclear Membrane Targeting of Caveolinâ€2 in Response to Insulin. Traffic, 2012, 13, 1218-1233.	1.3	16
68	Promotion of Cortical Neurogenesis from the Neural Stem Cells in the Adult Mouse Subcallosal Zone. Stem Cells, 2016, 34, 888-901.	1.4	16
69	NMDA receptor-mediated calcium influx plays an essential role in myoblast fusion. FEBS Letters, 2004, 578, 47-52.	1.3	15
70	Endogenous TRPM4-like channel in Chinese hamster ovary (CHO) cells. Biochemical and Biophysical Research Communications, 2008, 369, 712-717.	1.0	15
71	Comparative analysis of the role of small G proteins in cell migration and cell death: Cytoprotective and promigratory effects of RalA. Experimental Cell Research, 2011, 317, 2007-2018.	1.2	14
72	Direct binding of Copine3 with Jab1 activates downstream ErbB2 signaling and motility in SKBr3 breast cancer cells. Oncology Reports, 2016, 35, 1147-1152.	1.2	14

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73	Anti-glioma effects of 2-aminothiophene-3-carboxamide derivatives, ANO1 channel blockers. European Journal of Medicinal Chemistry, 2020, 208, 112688.	2.6	14
74	Community-Acquired Pneumonia with Negative Chest Radiography Findings: Clinical and Radiological Features. Respiration, 2019, 97, 508-517.	1.2	13
7 5	A novel acid-sensitive K+ channel in rat dorsal root ganglia neurons. Neuroscience Letters, 2006, 406, 244-249.	1.0	12
76	SYT14L, especially its C2 domain, is involved in regulating melanocyte differentiation. Journal of Dermatological Science, 2013, 72, 246-251.	1.0	12
77	The inhibitory effects of bupivacaine, levobupivacaine, and ropivacaine on K2P (two-pore domain) Tj ETQq1	1 0.784314 rgB	BT /Overlock
78	Tristetraprolin Inhibits the Growth of Human Glioma Cells through Downregulation of Urokinase Plasminogen Activator/Urokinase Plasminogen Activator Receptor mRNAs. Molecules and Cells, 2015, 38, 156-162.	1.0	12
79	The Knockdown of TREK-1 in Hippocampal Neurons Attenuate Lipopolysaccharide-Induced Depressive-Like Behavior in Mice. International Journal of Molecular Sciences, 2019, 20, 5902.	1.8	12
80	Kinesin Superfamily-Associated Protein 3 Is Preferentially Expressed in Glutamatergic Neurons and Contributes to the Excitatory Control of Female Puberty. Endocrinology, 2008, 149, 6146-6156.	1.4	11
81	Relationship Between Clinical Features and Computed Tomographic Findings in Hospitalized Adult Patients With Community-Acquired Pneumonia. American Journal of the Medical Sciences, 2018, 356, 30-38.	0.4	11
82	Surface expression of TTYH2 is attenuated by direct interaction with \hat{l}^2 -COP. BMB Reports, 2019, 52, 445-450.	1.1	11
83	Acid-Sensing Ion Channel 2a (ASIC2a) Promotes Surface Trafficking of ASIC2b via Heteromeric Assembly. Scientific Reports, 2016, 6, 30684.	1.6	10
84	$14\text{-}3\text{-}3^3$ regulates Copine1-mediated neuronal differentiation in HiB5 hippocampal progenitor cells. Experimental Cell Research, 2017, 356, 85-92.	1.2	10
85	Clinical relevance of syncope in patients with pulmonary embolism. Thrombosis Research, 2018, 164, 85-89.	0.8	10
86	14-3-3Î ³ Haploinsufficient Mice Display Hyperactive and Stress-sensitive Behaviors. Experimental Neurobiology, 2019, 28, 43-53.	0.7	10
87	JAB1 regulates CPNE1-related differentiation via direct binding to CPNE1 in HiB5 hippocampal progenitor cells. Biochemical and Biophysical Research Communications, 2018, 497, 424-429.	1.0	9
88	ANO1 regulates the maintenance of stemness in glioblastoma stem cells by stabilizing EGFRvIII. Oncogene, 2021, 40, 1490-1502.	2.6	9
89	Acetylcholine rescues two-cell block through activation of IP3 receptors and Ca2+/calmodulin-dependent kinase II in an ICR mouse strain. Pflugers Archiv European Journal of Physiology, 2009, 458, 1125-1136.	1.3	8
90	Direct interaction with $14\hat{a}\in 3.3\hat{1}^3$ promotes surface expression of Best1 channel in astrocyte. Molecular Brain, 2017, 10, 51.	1.3	8

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91	The E3 ubiquitin ligase, NEDD4L (NEDD4-2) regulates bestrophin-1 (BEST1) by ubiquitin-dependent proteolysis. Biochemical and Biophysical Research Communications, 2019, 514, 344-350.	1.0	8
92	Hevin–calcyon interaction promotes synaptic reorganization after brain injury. Cell Death and Differentiation, 2021, 28, 2571-2588.	5.0	8
93	Gateway RFP-fusion vectors for high throughput functional analysis of genes. Molecules and Cells, 2007, 23, 357-62.	1.0	8
94	Identification and characterization of a truncated isoform of NELL2. Biochemical and Biophysical Research Communications, 2010, 391, 529-534.	1.0	7
95	Emerging Roles of TWIK-1 Heterodimerization in the Brain. International Journal of Molecular Sciences, 2018, 19, 51.	1.8	7
96	Improved AAV vector system for cell-type-specific RNA interference. Journal of Neuroscience Methods, 2022, 368, 109452.	1.3	7
97	Single-Channel Recording of TASK-3-like K+ Channel and Up-Regulation of TASK-3 mRNA Expression after Spinal Cord Injury in Rat Dorsal Root Ganglion Neurons. Korean Journal of Physiology and Pharmacology, 2008, 12, 245.	0.6	6
98	The cytosolic splicing variant of NELL2 inhibits PKCβ1 in glial cells. Biochemical and Biophysical Research Communications, 2014, 454, 459-464.	1.0	6
99	Anoctamin-1 affects the migration and invasion of anaplastic thyroid carcinoma cells. Animal Cells and Systems, 2019, 23, 294-301.	0.8	6
100	Clinical and radiological manifestations of lipoid pneumonia according to etiology: Squalene, omegaâ€3â€acid ethyl esters, and idiopathic. Clinical Respiratory Journal, 2019, 13, 328-337.	0.6	6
101	Astrocytic AEGâ€1 regulates expression of TREKâ€1 under acute hypoxia. Cell Biochemistry and Function, 2020, 38, 167-175.	1.4	6
102	CPNE1-mediated neuronal differentiation can be inhibited by HAX1 expression in HiB5 cells. Biochemical and Biophysical Research Communications, 2020, 533, 319-324.	1.0	6
103	Spadin Modulates Astrocytic Passive Conductance via Inhibition of TWIK-1/TREK-1 Heterodimeric Channels. International Journal of Molecular Sciences, 2020, 21, 9639.	1.8	6
104	Suppression of CaMKIIÎ ² Inhibits ANO1-Mediated Glioblastoma Progression. Cells, 2020, 9, 1079.	1.8	6
105	Lossâ€ofâ€function of EBP50 is a new cause of hereditary peripheral neuropathy: EBP50 functions in peripheral nerve system. Glia, 2020, 68, 1794-1809.	2.5	6
106	Clinical characteristics and outcomes of patients with isolated pulmonary embolism. Blood Coagulation and Fibrinolysis, 2021, 32, 387-393.	0.5	6
107	The Anti-inflammatory and Immune-Boosting Potential of Quercetin-3-O-β-D-glucopyranosyl-(1 → 6)-β-D-glucopyranoside in LPS–Stimulated RAW264.7 Macro Revista Brasileira De Farmacognosia, 2020, 30, 233-239.	pbæges.	5
108	Relationship between Dyspnea and Disease Severity, Quality of Life, and Social Factor in Patients with Chronic Obstructive Pulmonary Disease. Tuberculosis and Respiratory Diseases, 2006, 60, 397.	0.7	4

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109	The Molecular Mechanism of NELL2 Movement and Secretion in Hippocampal Progenitor HiB5 Cells. Molecules and Cells, 2013, 36, 527-533.	1.0	4
110	Clinical and radiological features of pulmonary tuberculosis in patients with idiopathic pulmonary fibrosis. Respiratory Investigation, 2019, 57, 544-551.	0.9	4
111	Clinical Impact of N-Terminal Prohormone of Brain Natriuretic Peptide on Patients Hospitalized with Community-Acquired Pneumonia. American Journal of the Medical Sciences, 2020, 360, 383-391.	0.4	4
112	Electrocardiographic changes as a prognostic tool for hospitalized patients with pulmonary embolism. Thrombosis Research, 2020, 192, 61-63.	0.8	4
113	An endogenous acid-sensitive K+ channel expressed in COS-7 cells. Biochemical and Biophysical Research Communications, 2006, 341, 1231-1236.	1.0	3
114	Acute Hypoxia Activates an ENaC-like Channel in Rat Pheochromocytoma (PC12) Cells. Korean Journal of Physiology and Pharmacology, 2013, 17, 57.	0.6	3
115	Clinical relevance of chronic respiratory disease in Korean patients with pulmonary thromboembolism. Journal of Thoracic Disease, 2019, 11, 2410-2419.	0.6	2
116	Clinical relevance of emphysema in patients hospitalized with communityâ€acquired pneumonia: Clinical features and prognosis. Clinical Respiratory Journal, 2021, 15, 826-834.	0.6	2
117	Prognostic factors in patients hospitalized with community-acquired aspiration pneumonia. Journal of Infection and Chemotherapy, 2022, 28, 47-53.	0.8	2
118	TWIK-1 BAC-GFP Transgenic Mice, an Animal Model for TWIK-1 Expression. Cells, 2021, 10, 2751.	1.8	2
119	Conditional deletion of TMEM16A in cholinergic neurons of the medial habenula induces anhedonic-like behavior in mice. Behavioural Brain Research, 2022, 426, 113841.	1.2	2
120	Precise nanoinjection delivery of plasmid DNA into a single fibroblast for direct conversion of astrocyte. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1114-1122.	1.9	1
121	Clinical characteristics and outcome in patients with pulmonary embolism undergoing coronary angiography. Vascular Medicine, 2020, 25, 157-159.	0.8	1
122	Role of Chest Computed Tomography in Patients Hospitalized with Community-Acquired Complicated Parapneumonic Effusion or Empyema. American Journal of the Medical Sciences, 2021, , .	0.4	1
123	Exon2-deleted TWIK-1 KO mice are not an appropriate model for TWIK-1 deficiency. IBRO Reports, 2019, 6, S255.	0.3	0
124	Hevin–calcyon interaction promotes synaptic reorganization after brain injury. IBRO Reports, 2019, 6, S257.	0.3	0
125	AEG-1 Regulates TWIK-1 Expression as an RNA-Binding Protein in Astrocytes. Brain Sciences, 2021, 11, 85.	1.1	0
126	History of ischemic stroke associated with worse clinical outcomes in patients with pulmonary embolism. Vascular Medicine, 2021, , 1358863X2110557.	0.8	0

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127	Deficiency of TTYH1 Expression Reduces the Migration and Invasion of U2OS Human Osteosarcoma Cells. Life, 2022, 12, 530.	1.1	O