

# Bo Feng

## List of Publications by Citations

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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.

95  
papers

3,678  
citations

26  
h-index

59  
g-index

99  
ext. papers

4,318  
ext. citations

7.2  
avg, IF

5.11  
L-index

#	Paper	IF	Citations
95	Reprogramming of fibroblasts into induced pluripotent stem cells with orphan nuclear receptor Esrrb. <i>Nature Cell Biology</i> , <b>2009</b> , 11, 197-203	23.4	374
94	The nuclear receptor Nr5a2 can replace Oct4 in the reprogramming of murine somatic cells to pluripotent cells. <i>Cell Stem Cell</i> , <b>2010</b> , 6, 167-74	18	371
93	A genome-wide RNAi screen reveals determinants of human embryonic stem cell identity. <i>Nature</i> , <b>2010</b> , 468, 316-20	50.4	358
92	Molecules that promote or enhance reprogramming of somatic cells to induced pluripotent stem cells. <i>Cell Stem Cell</i> , <b>2009</b> , 4, 301-12	18	308
91	Hydrogen Bonding Interaction of Poly(d,l-Lactide)/hydroxyapatite Nanocomposites. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 247-253	9.6	199
90	Knock-in of large reporter genes in human cells via CRISPR/Cas9-induced homology-dependent and independent DNA repair. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, e85	20.1	189
89	METTL14 suppresses proliferation and metastasis of colorectal cancer by down-regulating oncogenic long non-coding RNA XIST. <i>Molecular Cancer</i> , <b>2020</b> , 19, 46	42.1	153
88	Direct activation of human and mouse Oct4 genes using engineered TALE and Cas9 transcription factors. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 4375-90	20.1	124
87	A genetic and developmental pathway from STAT3 to the OCT4-NANOG circuit is essential for maintenance of ICM lineages in vivo. <i>Genes and Development</i> , <b>2013</b> , 27, 1378-90	12.6	115
86	Furrow-specific endocytosis during cytokinesis of zebrafish blastomeres. <i>Experimental Cell Research</i> , <b>2002</b> , 279, 14-20	4.2	89
85	A fluorescent rosamine compound selectively stains pluripotent stem cells. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 7497-500	16.4	63
84	SON connects the splicing-regulatory network with pluripotency in human embryonic stem cells. <i>Nature Cell Biology</i> , <b>2013</b> , 15, 1141-1152	23.4	62
83	A PRC2-dependent repressive role of PRDM14 in human embryonic stem cells and induced pluripotent stem cell reprogramming. <i>Stem Cells</i> , <b>2013</b> , 31, 682-92	5.8	52
82	Micro/nanostructural porous surface on titanium and bioactivity. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2009</b> , 89, 335-341	3.5	52
81	Aberrant enhancer hypomethylation contributes to hepatic carcinogenesis through global transcriptional reprogramming. <i>Nature Communications</i> , <b>2019</b> , 10, 335	17.4	49
80	Conversion of Human Gastric Epithelial Cells to Multipotent Endodermal Progenitors using Defined Small Molecules. <i>Cell Stem Cell</i> , <b>2016</b> , 19, 449-461	18	47
79	Biomimetic Bacterial Cellulose-Enhanced Double-Network Hydrogel with Excellent Mechanical Properties Applied for the Osteochondral Defect Repair. <i>ACS Biomaterials Science and Engineering</i> , <b>2018</b> , 4, 3534-3544	5.5	47

78	A facile approach for the synthesis of highly luminescent carbon dots using vitamin-based small organic molecules with benzene ring structure as precursors. <i>RSC Advances</i> , <b>2015</b> , 5, 90245-90254	3.7	43
77	Transient increase of interleukin-1 $\beta$ after prolonged febrile seizures promotes adult epileptogenesis through long-lasting upregulating endocannabinoid signaling. <i>Scientific Reports</i> , <b>2016</b> , 6, 21931	4.9	43
76	Study of bilineage differentiation of human-bone-marrow-derived mesenchymal stem cells in oxidized sodium alginate/N-succinyl chitosan hydrogels and synergistic effects of RGD modification and low-intensity pulsed ultrasound. <i>Acta Biomaterialia</i> , <b>2014</b> , 10, 2518-28	10.8	41
75	Hydroxyapatite coating on titanium surface with titania nanotube layer and its bond strength to substrate. <i>Journal of Porous Materials</i> , <b>2010</b> , 17, 453-458	2.4	41
74	Macrophage phenotype switch by sequential action of immunomodulatory cytokines from hydrogel layers on titania nanotubes. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 163, 336-345	6	40
73	Transplantation of tissue engineering neural network and formation of neuronal relay into the transected rat spinal cord. <i>Biomaterials</i> , <b>2016</b> , 109, 40-54	15.6	40
72	Nanostructured hydroxyapatite surfaces-mediated adsorption alters recognition of BMP receptor IA and bioactivity of bone morphogenetic protein-2. <i>Acta Biomaterialia</i> , <b>2015</b> , 27, 275-285	10.8	32
71	Genetic Dissection and Simultaneous Improvement of Drought and Low Nitrogen Tolerances by Designed QTL Pyramiding in Rice. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 306	6.2	29
70	Generation of Febrile Seizures and Subsequent Epileptogenesis. <i>Neuroscience Bulletin</i> , <b>2016</b> , 32, 481-92	4.3	28
69	MicroRNA-221 sponge therapy attenuates neointimal hyperplasia and improves blood flows in vein grafts. <i>International Journal of Cardiology</i> , <b>2016</b> , 208, 79-86	3.2	24
68	Efficient commitment to functional CD34+ progenitor cells from human bone marrow mesenchymal stem-cell-derived induced pluripotent stem cells. <i>PLoS ONE</i> , <b>2012</b> , 7, e34321	3.7	24
67	Neurotrophin-3 released from implant of tissue-engineered fibroin scaffolds inhibits inflammation, enhances nerve fiber regeneration, and improves motor function in canine spinal cord injury. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2018</b> , 106, 2158-2170	5.4	23
66	Constructing stable NiO/N-doped TiO <sub>2</sub> nanotubes photocatalyst with enhanced visible-light photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 2571-2578	2.1	22
65	The rapidly advancing Class 2 CRISPR-Cas technologies: A customizable toolbox for molecular manipulations. <i>Journal of Cellular and Molecular Medicine</i> , <b>2020</b> , 24, 3256-3270	5.6	22
64	Synergistic regulation of osteoimmune microenvironment by IL-4 and RGD to accelerate osteogenesis. <i>Materials Science and Engineering C</i> , <b>2020</b> , 109, 110508	8.3	21
63	Electroacupuncture Facilitates the Integration of Neural Stem Cell-Derived Neural Network with Transected Rat Spinal Cord. <i>Stem Cell Reports</i> , <b>2019</b> , 12, 274-289	8	20
62	IL-1 $\beta$ inhibits Klotho expression and FGF19 signaling in hepatocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2016</b> , 310, E289-300	6	20
61	Dual-inflammatory cytokines on TiO nanotube-coated surfaces used for regulating macrophage polarization in bone implants. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2018</b> , 106, 1878-1886	5.4	19

60	Heterostructured g-C <sub>3</sub> N <sub>4</sub> /Ag/TiO <sub>2</sub> nanocomposites for enhancing the photoelectric conversion efficiency of spiro-OMeTAD-based solid-state dye-sensitized solar cells. <i>RSC Advances</i> , <b>2016</b> , 6, 102444-102452 <sup>19</sup>	3.7	19
59	MicroRNA-29b/Tet1 regulatory axis epigenetically modulates mesendoderm differentiation in mouse embryonic stem cells. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 7805-22	20.1	17
58	Revealing cellular and molecular transitions in neonatal germ cell differentiation using single cell RNA sequencing. <i>Development (Cambridge)</i> , <b>2019</b> , 146,	6.6	16
57	Osteoblast behaviors on titania nanotube and mesopore layers. <i>International Journal of Energy Production and Management</i> , <b>2017</b> , 4, 81-87	5.3	16
56	The dosage of Patz1 modulates reprogramming process. <i>Scientific Reports</i> , <b>2014</b> , 4, 7519	4.9	16
55	The recombination activation gene 1 (Rag1) is expressed in a subset of zebrafish olfactory neurons but is not essential for axon targeting or amino acid detection. <i>BMC Neuroscience</i> , <b>2005</b> , 6, 46	3.2	16
54	Mst1/2 Kinases Modulate Glucose Uptake for Osteoblast Differentiation and Bone Formation. <i>Journal of Bone and Mineral Research</i> , <b>2018</b> , 33, 1183-1195	6.3	15
53	Blocking GluN2B subunits reverses the enhanced seizure susceptibility after prolonged febrile seizures with a wide therapeutic time-window. <i>Experimental Neurology</i> , <b>2016</b> , 283, 29-38	5.7	15
52	Bruton's tyrosine kinase potentiates ALK signaling and serves as a potential therapeutic target of neuroblastoma. <i>Oncogene</i> , <b>2018</b> , 37, 6180-6194	9.2	15
51	Zfp322a Regulates mouse ES cell pluripotency and enhances reprogramming efficiency. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004038	6	15
50	Co-culturing epidermal keratinocytes and dermal fibroblasts on nano-structured titanium surfaces. <i>Materials Science and Engineering C</i> , <b>2017</b> , 78, 288-295	8.3	14
49	Decyl bis phosphonate protein surface modification of Ti6Al4V via a layer-by-layer technique. <i>Journal of Materials Science</i> , <b>2009</b> , 44, 4031-4039	4.3	14
48	Comparison of Ca/P mineralization on the surfaces of poly (ε-caprolactone) composites filled with silane-modified nano-apatite. <i>Journal of Materials Science</i> , <b>2009</b> , 44, 4394-4398	4.3	14
47	Transplantation of Retinal Ganglion Cells Derived from Male Germline Stem Cell as a Potential Treatment to Glaucoma. <i>Stem Cells and Development</i> , <b>2019</b> , 28, 1365-1375	4.4	12
46	Lethal (3) malignant brain tumor-like 2 (L3MBTL2) protein protects against kidney injury by inhibiting the DNA damage-p53-apoptosis pathway in renal tubular cells. <i>Kidney International</i> , <b>2018</b> , 93, 855-870	9.9	12
45	Gender difference in acquired seizure susceptibility in adult rats after early complex febrile seizures. <i>Neuroscience Bulletin</i> , <b>2014</b> , 30, 913-922	4.3	12
44	Nano-topographic titanium modulates macrophage response in vitro and in an implant-associated rat infection model. <i>RSC Advances</i> , <b>2016</b> , 6, 111919-111927	3.7	12
43	Effect of dexamethasone, β-glycerophosphate, OGP and BMP2 in TiO <sub>2</sub> nanotubes on differentiation of MSCs. <i>Materials Technology</i> , <b>2016</b> , 31, 603-612	2.1	12

42	Efficient genome editing of genes involved in neural crest development using the CRISPR/Cas9 system in <i>Xenopus</i> embryos. <i>Cell and Bioscience</i> , <b>2016</b> , 6, 22	9.8	12
41	Decoding the Pluripotency Network: The Emergence of New Transcription Factors. <i>Biomedicines</i> , <b>2013</b> , 1, 49-78	4.8	11
40	Classical and integrated multicomponent geothermometry at the Tengchong geothermal field, Southwestern China. <i>Environmental Earth Sciences</i> , <b>2016</b> , 75, 1	2.9	11
39	Prolonged febrile seizures induce inheritable memory deficits in rats through DNA methylation. <i>CNS Neuroscience and Therapeutics</i> , <b>2019</b> , 25, 601-611	6.8	10
38	A dynamic-coupling-reaction-based autonomous self-healing hydrogel with ultra-high stretching and adhesion properties. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 3044-3052	7.3	10
37	Progress and challenges in generating functional hematopoietic stem/progenitor cells from human pluripotent stem cells. <i>Cytotherapy</i> , <b>2015</b> , 17, 344-58	4.8	10
36	Mixed Modification of the Surface Microstructure and Chemical State of Polyetheretherketone to Improve Its Antimicrobial Activity, Hydrophilicity, Cell Adhesion, and Bone Integration. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 842-851	5.5	10
35	Evolving AAV-delivered therapeutics towards ultimate cures. <i>Journal of Molecular Medicine</i> , <b>2021</b> , 99, 593-617	5.5	9
34	Adsorption of bovine serum albumin onto titanium dioxide nanotube arrays. <i>International Journal of Materials Research</i> , <b>2012</b> , 103, 889-896	0.5	8
33	genome editing thrives with diversified CRISPR technologies. <i>Zoological Research</i> , <b>2018</b> , 39, 58-71	3.4	8
32	Structure-based discovery of CZL80, a caspase-1 inhibitor with therapeutic potential for febrile seizures and later enhanced epileptogenic susceptibility. <i>British Journal of Pharmacology</i> , <b>2020</b> , 177, 3519-3534	8.6	7
31	Dysfunction of thermoregulation contributes to the generation of hyperthermia-induced seizures. <i>Neuroscience Letters</i> , <b>2014</b> , 581, 129-34	3.3	7
30	Coupled ThermoHydroMechanical Modeling of Hydro-Shearing Stimulation in an Enhanced Geothermal System in the Raft River Geothermal Field, USA. <i>Rock Mechanics and Rock Engineering</i> , <b>2020</b> , 53, 5371-5388	5.7	7
29	Hybrid use of combined and sequential delivery of growth factors and ultrasound stimulation in porous multilayer composite scaffolds to promote both vascularization and bone formation in bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2016</b> , 104, 195-208	5.4	7
28	Prediction of Target Genes and Pathways Associated With Cetuximab Insensitivity in Colorectal Cancer. <i>Technology in Cancer Research and Treatment</i> , <b>2018</b> , 17, 1533033818806905	2.7	7
27	Intergenerational Transmission of Enhanced Seizure Susceptibility after Febrile Seizures. <i>EBioMedicine</i> , <b>2017</b> , 17, 206-215	8.8	6
26	Camphorsulfonic acid-doped polyaniline/TiO <sub>2</sub> nanotube hybrids: synthesis strategy and enhanced visible photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 7723-7730	2.1	6
25	The polypeptide N-acetylgalactosaminyltransferase 4 exhibits stage-dependent expression in colorectal cancer and affects tumorigenesis, invasion and differentiation. <i>FEBS Journal</i> , <b>2018</b> , 285, 3041-3055	5.7	6

24	Sintering study of ITO using a ZnO-doped and microwave hybrid sintering approachPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , <b>2014</b> , 2, 58-63	2.4	6
23	LIF-dependent primitive neural stem cells derived from mouse ES cells represent a reversible stage of neural commitment. <i>Stem Cell Research</i> , <b>2013</b> , 11, 1091-102	1.6	6
22	Protective effect of carnosine on febrile seizures in immature mice. <i>Neuroscience Letters</i> , <b>2015</b> , 588, 95-100	3.9	6
21	Identification and binding mechanism of phage displayed peptides with specific affinity to acid-alkali treated titanium. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 146, 307-17	6	6
20	Establishment of a novel CYP3A4-transduced human hepatic sinusoidal endothelial cell model and its application in screening hepatotoxicity of pyrrolizidine alkaloids. <i>Journal of Environmental Science and Health, Part C: Toxicology and Carcinogenesis</i> , <b>2020</b> , 38, 169-185	1.6	5
19	New Turns for High Efficiency Knock-In of Large DNA in Human Pluripotent Stem Cells. <i>Stem Cells International</i> , <b>2018</b> , 2018, 9465028	5	5
18	Co-expression network analysis identified specific miRNAs and genes in association with slow-transit constipation. <i>Molecular Medicine Reports</i> , <b>2020</b> , 22, 4696-4706	2.9	5
17	Homology-independent multiallelic disruption via CRISPR/Cas9-based knock-in yields distinct functional outcomes in human cells. <i>BMC Biology</i> , <b>2018</b> , 16, 151	7.3	5
16	Novel one-step fabrication of highly ordered Mo-doped TiO <sub>2</sub> nanotubes arrays with enhanced visible light catalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 18388-18396 <sup>2.1</sup>	2.1	5
15	Early hypoactivity of hippocampal rhythms during epileptogenesis after prolonged febrile seizures in freely-moving rats. <i>Neuroscience Bulletin</i> , <b>2015</b> , 31, 297-306	4.3	4
14	Biomaterials and Advanced Biofabrication Techniques in hiPSCs Based Neuromyopathic Disease Modeling. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2019</b> , 7, 373	5.8	4
13	ZnO nanoparticles stimulate oxidative stress to induce apoptosis of B16F10 melanoma cells:andstudies. <i>Biomedical Physics and Engineering Express</i> , <b>2021</b> , 7,	1.5	4
12	Optimizing schemes on dynamic control of reservoir normal elevation in flood season. <i>Natural Hazards</i> , <b>2016</b> , 81, 1161-1175	3	3
11	Direct and indirect costs and long-term survival of laparoscopic anterior resection for rectal cancer. <i>Medical Science Monitor</i> , <b>2010</b> , 16, PH97-102	3.2	3
10	Assessment of Energy Production in the Deep Carbonate Geothermal Reservoir by Wellbore-Reservoir Integrated Fluid and Heat Transport Modeling. <i>Geofluids</i> , <b>2019</b> , 2019, 1-18	1.5	2
9	Facile synthesis of Cu <sub>x</sub> O (x = 1, 2)/TiO <sub>2</sub> nanotube arrays as an efficient visible-light driven photocatalysts. <i>Journal of Porous Materials</i> , <b>2017</b> , 24, 97-102	2.4	2
8	Study on phase transformation and controllable synthesis of calcium phosphate using a sol-gel approach. <i>Journal of Sol-Gel Science and Technology</i> , <b>2012</b> , 63, 126-134	2.3	2
7	In Vitro and In Vivo Antitumor Activity of Silver Nanoparticles on B16 Melanoma. <i>Nano</i> , <b>2020</b> , 15, 20501631	3.1	2

6	By Endowing Polyglutamic Acid/Polylysine Composite Hydrogel with Super Intrinsic Characteristics to Enhance its Wound Repair Potential. <i>Macromolecular Bioscience</i> , <b>2021</b> , 21, e2000367	5.5	2
5	β1,3-Glucan from <i>Euglena gracilis</i> as an immunostimulant mediates the antiparasitic effect against <i>Mesanothryx</i> sp. on hemocytes in marine swimming crab ( <i>Portunus trituberculatus</i> ). <i>Fish and Shellfish Immunology</i> , <b>2021</b> , 114, 28-35	4.3	2
4	Follistatin-like 1 (FSTL1) interacts with Wnt ligands and Frizzled receptors to enhance Wnt/β-catenin signaling in obstructed kidneys in vivo.. <i>Journal of Biological Chemistry</i> , <b>2022</b> , 102010	5.4	1
3	R4 RGS proteins suppress engraftment of human hematopoietic stem/progenitor cells by modulating SDF-1/CXCR4 signaling. <i>Blood Advances</i> , <b>2021</b> , 5, 4380-4392	7.8	0
2	Comparative Study of Acid and Alkaline Stimulants with Granite in an Enhanced Geothermal System. <i>Acta Geologica Sinica</i> , <b>2021</b> , 95, 1926-1939	0.7	0
1	Hydraulic Conductivity Characteristics of Hot Dry Rocks under Different Fracture Modes. <i>Acta Geologica Sinica</i> , <b>2021</b> , 95, 1915-1925	0.7	0