

Bin Shi

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.

49
papers

991
citations

19
h-index

30
g-index

57
ext. papers

1,358
ext. citations

5.1
avg, IF

4.55
L-index

#	Paper	IF	Citations
49	Lipid engineering combined with systematic metabolic engineering of <i>Saccharomyces cerevisiae</i> for high-yield production of lycopene. <i>Metabolic Engineering</i> , 2019 , 52, 134-142	9.7	139
48	Test on application of distributed fiber optic sensing technique into soil slope monitoring. <i>Landslides</i> , 2009 , 6, 61-68	6.6	97
47	Modular enzyme assembly for enhanced cascade biocatalysis and metabolic flux. <i>Nature Communications</i> , 2019 , 10, 4248	17.4	78
46	Controlled release of simvastatin-loaded thermo-sensitive PLGA-PEG-PLGA hydrogel for bone tissue regeneration: in vitro and in vivo characteristics. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 3580-9	5.4	53
45	Caffeic acid phenethyl ester attenuates lipopolysaccharide-stimulated proinflammatory responses in human gingival fibroblasts via NF- κ B and PI3K/Akt signaling pathway. <i>European Journal of Pharmacology</i> , 2017 , 794, 61-68	5.3	43
44	Effectiveness of a new organic polymer sand-fixing agent on sand fixation. <i>Environmental Earth Sciences</i> , 2012 , 65, 589-595	2.9	40
43	Systematic Metabolic Engineering of for Lycopene Overproduction. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 11148-11157	5.7	39
42	Monitoring the behavior of segment joints in a shield tunnel using distributed fiber optic sensors. <i>Structural Control and Health Monitoring</i> , 2018 , 25, e2056	4.5	37
41	Interaction study of permafrost and highway along Qinghai-Xizang Highway. <i>Science in China Series D: Earth Sciences</i> , 2003 , 46, 97-105		37
40	Investigation of land subsidence with the combination of distributed fiber optic sensing techniques and microstructure analysis of soils. <i>Engineering Geology</i> , 2018 , 240, 34-47	6	34
39	Osteoinductive and Osteopromotive Variability among Different Demineralized Bone Allografts. <i>Clinical Implant Dentistry and Related Research</i> , 2015 , 17, 533-42	3.9	34
38	Vertically Distributed Sensing of Deformation Using Fiber Optic Sensing. <i>Geophysical Research Letters</i> , 2018 , 45, 11,732-11,741	4.9	33
37	An improved distributed sensing method for monitoring soil moisture profile using heated carbon fibers. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018 , 123, 175-184	4.6	26
36	Zirconia Nanoparticles-Induced Toxic Effects in Osteoblast-Like 3T3-E1 Cells. <i>Nanoscale Research Letters</i> , 2018 , 13, 353	5	25
35	Role of the interface between distributed fibre optic strain sensor and soil in ground deformation measurement. <i>Scientific Reports</i> , 2016 , 6, 36469	4.9	24
34	PNIPAAm modified mesoporous hydroxyapatite for sustained osteogenic drug release and promoting cell attachment. <i>Materials Science and Engineering C</i> , 2016 , 62, 888-96	8.3	23
33	Effect of polyurethane on the stability of sand/clay mixtures. <i>Bulletin of Engineering Geology and the Environment</i> , 2012 , 71, 537-544	4	22

32	Bone scaffolds loaded with siRNA-Semaphorin4d for the treatment of osteoporosis related bone defects. <i>Scientific Reports</i> , 2016 , 6, 26925	4.9	21
31	The effect of mesoporous bioglass on osteogenesis and adipogenesis of osteoporotic BMSCs. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 3004-3014	5.4	20
30	The Expression and Correlation of iNOS and p53 in Oral Squamous Cell Carcinoma. <i>BioMed Research International</i> , 2015 , 2015, 637853	3	18
29	Toward Distributed Fiber-Optic Sensing of Subsurface Deformation: A Theoretical Quantification of Ground-Borehole-Cable Interaction. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2019JB018878	3.6	16
28	The impact of Wnt signalling and hypoxia on osteogenic and cementogenic differentiation in human periodontal ligament cells. <i>Molecular Medicine Reports</i> , 2016 , 14, 4975-4982	2.9	15
27	Short implants (8 mm) versus longer implants with sinus floor elevation in atrophic posterior maxilla: a systematic review and meta-analysis. <i>BMJ Open</i> , 2019 , 9, e029826	3	12
26	Effects of Er-Zhi-Wan on microarchitecture and regulation of Wnt/ β -catenin signaling pathway in alveolar bone of ovariectomized rats. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2014 , 34, 114-119		11
25	Early osseointegration of implants with cortex-like TiO coatings formed by micro-arc oxidation: A histomorphometric study in rabbits. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2017 , 37, 122-130		10
24	Outcomes of maxillary sinus floor augmentation without grafts in atrophic maxilla: A systematic review and meta-analysis based on randomised controlled trials. <i>Journal of Oral Rehabilitation</i> , 2019 , 46, 282-290	3.4	10
23	Multifunctional chitin-based barrier membrane with antibacterial and osteogenic activities for the treatment of periodontal disease. <i>Carbohydrate Polymers</i> , 2021 , 269, 118276	10.3	10
22	Mesoporous bioglass/silk fibroin scaffolds as a drug delivery system: Fabrication, drug loading and release in vitro and repair calvarial defects in vivo. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014 , 29, 401-406	1	9
21	Radiological Changes Associated with New Bone Formation Following Osteotome Sinus Floor Elevation (OSFE): A Retrospective Study of 40 Patients with 18-Month Follow-Up. <i>Medical Science Monitor</i> , 2018 , 24, 4641-4648	3.2	7
20	A long term evaluation of circular mat foundations on clay deposits using fractional derivatives. <i>Computers and Geotechnics</i> , 2018 , 94, 72-82	4.4	6
19	Comparative study of hydroxyapatite, fluor-hydroxyapatite and Si-substituted hydroxyapatite nanoparticles on osteogenic, osteoclastic and antibacterial ability.. <i>RSC Advances</i> , 2019 , 9, 16106-16118	3.7	5
18	Microanchored borehole fiber optics allows strain profiling of the shallow subsurface. <i>Scientific Reports</i> , 2021 , 11, 9173	4.9	5
17	Constructing an Anisotropic Triple-Pass Tubular Framework within a Lyophilized Porous Gelatin Scaffold Using Dexamethasone-Loaded Functionalized Whatman Paper To Reinforce Its Mechanical Strength and Promote Osteogenesis. <i>Biomacromolecules</i> , 2017 , 18, 3788-3801	6.9	4
16	Spin in the abstracts of randomized controlled trials in periodontology and oral implantology: A cross-sectional analysis. <i>Journal of Clinical Periodontology</i> , 2020 , 47, 1079-1086	7.7	4
15	Augmentation of the alveolar ridge compared with shorter implants in atrophic jaws: a meta-analysis based on randomised controlled trials. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2016 , 54, 68-73	1.4	4

14	Systematic identification of <i>Ocimum sanctum</i> sesquiterpenoid synthases and (-)-eremophilene overproduction in engineered yeast. <i>Metabolic Engineering</i> , 2021 , 69, 122-133	9.7	4
13	Automated integration of facial and intra-oral images of anterior teeth. <i>Computers in Biology and Medicine</i> , 2020 , 122, 103794	7	3
12	BOTDA based investigation on the effects of closure strips in bottom plate during the construction of navigation lock. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018 , 117, 67-72	4.6	2
11	An Efficient Transient Expression System for Enhancing the Generation of Monoclonal Antibodies in 293 Suspension Cells. <i>Current Pharmaceutical Biotechnology</i> , 2017 , 18, 351-357	2.6	2
10	The risk factors of early implant failure: A retrospective study of 6113 implants. <i>Clinical Implant Dentistry and Related Research</i> , 2021 , 23, 280-288	3.9	2
9	Ridge preservation of a novel extraction socket applying Bio-Oss [®] collagen: An experimental study in dogs. <i>Journal of Dental Sciences</i> , 2021 , 16, 831-839	2.5	2
8	Bonding efficacy of a self-adhesive resin cement to enamel and dentin. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014 , 29, 1307-1312	1	1
7	Two bone blocks sandwich technique for horizontal reconstruction of severely atrophic alveolar ridge in anterior maxilla: A case report. <i>World Journal of Clinical Cases</i> , 2020 , 8, 971-979	1.6	1
6	Trends in the level of evidence and impact of clinical studies published in leading oral implantology journals: 2008-2018. <i>Clinical Oral Implants Research</i> , 2020 , 31, 980-991	4.8	1
5	An efficient treatment of biofilm-induced periodontitis using Pt nanocluster catalysis. <i>Nanoscale</i> , 2021 , 13, 17912-17919	7.7	1
4	MicroRNA-146a downregulates interleukin-13 and inhibits the proliferation of human periodontal ligament stem cells. <i>Archives of Oral Biology</i> , 2021 , 129, 105165	2.8	0
3	Revolution of vitamin E production by starting from microbial fermented farnesene to isophytol.. <i>Innovation(China)</i> , 2022 , 3, 100228	17.8	0
2	Coupling cell growth and biochemical pathway induction in <i>Saccharomyces cerevisiae</i> for production of (+)-valencene and its chemical conversion to (+)-nootkatone.. <i>Metabolic Engineering</i> , 2022 , 72, 107-115	9.7	0
1	Treatment of Yunnan Baiyao plus Kangfuxin Solution Reduces Inflammatory Response and Prevents Patients with Nasopharyngeal Carcinoma against Radiation-Induced Oral Mucositis. <i>Journal of Nanomaterials</i> , 2021 , 2021, 1-8	3.2	