

Linhong Deng

List of Publications by Year in descending order

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154
papers

5,235
citations

94269

37
h-index

102304

66
g-index

167
all docs

167
docs citations

167
times ranked

6984
citing authors

#	ARTICLE	IF	CITATIONS
1	Universal physical responses to stretch in the living cell. <i>Nature</i> , 2007, 447, 592-595.	13.7	626
2	Airway smooth muscle dynamics: a common pathway of airway obstruction in asthma. <i>European Respiratory Journal</i> , 2007, 29, 834-860.	3.1	344
3	Fast and slow dynamics of the cytoskeleton. <i>Nature Materials</i> , 2006, 5, 636-640.	13.3	279
4	Cell Elasticity Determines Macrophage Function. <i>PLoS ONE</i> , 2012, 7, e41024.	1.1	220
5	pH-Controlled drug delivery with hybrid aerogel of chitosan, carboxymethyl cellulose and graphene oxide as the carrier. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 248-253.	3.6	147
6	Dynamin 1-like-dependent mitochondrial fission initiates overactive mitophagy in the hepatotoxicity of cadmium. <i>Autophagy</i> , 2013, 9, 1780-1800.	4.3	123
7	Localized mechanical stress induces time-dependent actin cytoskeletal remodeling and stiffening in cultured airway smooth muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 287, C440-C448.	2.1	100
8	Distinctive pharmacological differences between liver cancer cell lines HepG2 and Hep3B. <i>Cytotechnology</i> , 2015, 67, 1-12.	0.7	95
9	Fluidization and Resolidification of the Human Bladder Smooth Muscle Cell in Response to Transient Stretch. <i>PLoS ONE</i> , 2010, 5, e12035.	1.1	94
10	Mechanical strain increases cell stiffness through cytoskeletal filament reorganization. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003, 285, L456-L463.	1.3	90
11	Electrochemical enantio-recognition of tryptophan enantiomers based on graphene quantum dots-chitosan composite film. <i>Electrochemistry Communications</i> , 2015, 57, 5-9.	2.3	90
12	Biodegradable pH-responsive hydrogels for controlled dual-drug release. <i>Journal of Materials Chemistry B</i> , 2018, 6, 510-517.	2.9	86
13	Magnetically Triggered Reversible Controlled Drug Delivery from Microfabricated Polymeric Multireservoir Devices. <i>Advanced Materials</i> , 2009, 21, 4045-4049.	11.1	83
14	On the terminology for describing the length-force relationship and its changes in airway smooth muscle. <i>Journal of Applied Physiology</i> , 2004, 97, 2029-2034.	1.2	81
15	Surface mediated in situ differentiation of mesenchymal stem cells on gene-functionalized titanium films fabricated by layer-by-layer technique. <i>Biomaterials</i> , 2009, 30, 3626-3635.	5.7	81
16	DNA-Inspired Electrochemical Recognition of Tryptophan Isomers by Electrodeposited Chitosan and Sulfonated Chitosan. <i>Analytical Chemistry</i> , 2015, 87, 9481-9486.	3.2	79
17	Highly fluorescent and morphology-controllable graphene quantum dots-chitosan hybrid xerogels for in vivo imaging and pH-sensitive drug carrier. <i>Materials Science and Engineering C</i> , 2016, 67, 478-485.	3.8	77
18	Biomechanical properties and mechanobiology of the articular chondrocyte. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C1202-C1208.	2.1	75

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19	Electrochemical Enantioselective Recognition in a Highly Ordered Self-Assembly Framework. <i>Analytical Chemistry</i> , 2017, 89, 1900-1906.	3.2	73
20	Chiral Recognition of D-Tryptophan by Confining High-Energy Water Molecules Inside the Cavity of Copper-Modified β -Cyclodextrin. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8183-8190.	1.5	71
21	TGF- β 1 promoted MMP-2 mediated wound healing of anterior cruciate ligament fibroblasts through NF- κ B. <i>Connective Tissue Research</i> , 2011, 52, 218-225.	1.1	61
22	A novel electrochemical chiral sensor for tyrosine isomers based on a coordination-driven self-assembly. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 255-261.	4.0	59
23	Substrate stiffness influences TGF- β 1-induced differentiation of bronchial fibroblasts into myofibroblasts in airway remodeling. <i>Molecular Medicine Reports</i> , 2013, 7, 419-424.	1.1	55
24	Gentamicin modified chitosan film with improved antibacterial property and cell biocompatibility. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 550-556.	3.6	55
25	Covalent Functionalization of Bovine Serum Albumin with Graphene Quantum Dots for Stereospecific Molecular Recognition. <i>Analytical Chemistry</i> , 2019, 91, 11864-11871.	3.2	53
26	Chemical modification of chitosan film via surface grafting of citric acid molecular to promote the biom mineralization. <i>Applied Surface Science</i> , 2016, 370, 270-278.	3.1	50
27	Transgelin-2 as a therapeutic target for asthmatic pulmonary resistance. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	47
28	Substrate Stiffness Together with Soluble Factors Affects Chondrocyte Mechanoresponses. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 16106-16116.	4.0	45
29	Physical and Biological Properties of a Novel Hydrogel Composite Based on Oxidized Alginate, Gelatin and Tricalcium Phosphate for Bone Tissue Engineering. <i>Advanced Engineering Materials</i> , 2007, 9, 1082-1088.	1.6	44
30	Palygorskite polypyrrole nanocomposite: A new platform for electrically tunable drug delivery. <i>Applied Clay Science</i> , 2014, 99, 119-124.	2.6	43
31	Interleukin-1 β and tumor necrosis factor- α increase stiffness and impair contractile function of articular chondrocytes. <i>Acta Biochimica Et Biophysica Sinica</i> , 2015, 47, 121-129.	0.9	43
32	Airway smooth muscle cell tone amplifies contractile function in the presence of chronic cyclic strain. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 295, L479-L488.	1.3	41
33	Inkjet printing of laminin gradient to investigate endothelial cellular alignment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 72, 230-235.	2.5	41
34	Electrochemical Recognition of Tyrosine Enantiomers Based on Chiral Ligand Exchange with Sodium Alginate as the Chiral Selector. <i>Journal of the Electrochemical Society</i> , 2015, 162, H486-H491.	1.3	41
35	pH-sensitive drug delivery based on chitosan wrapped graphene quantum dots with enhanced fluorescent stability. <i>Materials Science and Engineering C</i> , 2020, 112, 110888.	3.8	41
36	Inflammatory mediators mediate airway smooth muscle contraction through a G protein-coupled receptor-transmembrane protein 16 voltage-dependent Ca ²⁺ channel axis and contribute to bronchial hyperresponsiveness in asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1259-1268.e11.	1.5	40

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37	Cell-Specific Gene Transfection from a Gene-Functionalized Poly(D,L-lactic acid) Substrate Fabricated by the Layer-by-Layer Assembly Technique. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7479-7481.	7.2	39
38	Natural Plant Extract Tubeimoside I Promotes Apoptosis-Mediated Cell Death in Cultured Human Hepatoma (HepG2) Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 831-838.	0.6	39
39	Force maintenance and myosin filament assembly regulated by Rho-kinase in airway smooth muscle. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 308, L1-L10.	1.3	39
40	Coinduction of a Chiral Microenvironment in Polypyrrole by Overoxidation and Camphorsulfonic Acid for Electrochemical Chirality Sensing. <i>Analytical Chemistry</i> , 2018, 90, 9551-9558.	3.2	39
41	Determination of rheology and surface tension of airway surface liquid: a review of clinical relevance and measurement techniques. <i>Respiratory Research</i> , 2019, 20, 274.	1.4	39
42	Airway smooth muscle tone modulates mechanically induced cytoskeletal stiffening and remodeling. <i>Journal of Applied Physiology</i> , 2005, 99, 634-641.	1.2	37
43	Facile synthesis of Ca ²⁺ -crosslinked sodium alginate/graphene oxide hybrids as electro- and pH-responsive drug carrier. <i>Materials Science and Engineering C</i> , 2020, 108, 110380.	3.8	35
44	Airway contractility and remodeling: Links to asthma symptoms. <i>Pulmonary Pharmacology and Therapeutics</i> , 2013, 26, 3-12.	1.1	34
45	Beneficial and harmful effects of oscillatory mechanical strain on airway smooth muscle. <i>Canadian Journal of Physiology and Pharmacology</i> , 2005, 83, 913-922.	0.7	32
46	Imaging recognition events between human IgG and rat anti-human IgG by atomic force microscopy. <i>International Journal of Biological Macromolecules</i> , 2010, 47, 661-667.	3.6	31
47	Construction of magnetic-targeted and NIR irradiation-controlled drug delivery platform with Fe ₃ O ₄ @Au@SiO ₂ nanospheres. <i>Ceramics International</i> , 2017, 43, 5061-5067.	2.3	31
48	Migration of endothelial cells and mesenchymal stem cells into hyaluronic acid hydrogels with different moduli under induction of pro-inflammatory macrophages. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5478-5489.	2.9	31
49	Mesoporous hydroxyapatite nanoparticles hydrothermally synthesized in aqueous solution with hexametaphosphate and tea polyphenols. <i>Materials Science and Engineering C</i> , 2017, 71, 439-445.	3.8	30
50	Compression enhances invasive phenotype and matrix degradation of breast cancer cells via Piezo1 activation. <i>BMC Molecular and Cell Biology</i> , 2022, 23, 1.	1.0	30
51	Potato starch as a highly enantioselective system for temperature-dependent electrochemical recognition of tryptophan isomers. <i>Electrochemistry Communications</i> , 2016, 64, 21-25.	2.3	29
52	A novel electrochemical chiral interface based on sandwich-structured molecularly imprinted SiO ₂ /AuNPs/SiO ₂ for enantioselective recognition of cysteine isomers. <i>Electrochemistry Communications</i> , 2018, 86, 57-62.	2.3	27
53	Chronic exposure to sulfur dioxide enhances airway hyperresponsiveness only in ovalbumin-sensitized rats. <i>Toxicology Letters</i> , 2012, 214, 320-327.	0.4	26
54	Sensitive FRET Biosensor Reveals Fyn Kinase Regulation by Submembrane Localization. <i>ACS Sensors</i> , 2019, 4, 76-86.	4.0	26

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55	Upregulation of SDF-1 is Associated with Atherosclerosis Lesions Induced by LDL Concentration Polarization. <i>Annals of Biomedical Engineering</i> , 2012, 40, 1018-1027.	1.3	25
56	SAV4189, a MarR-Family Regulator in <i>Streptomyces avermitilis</i> , Activates Avermectin Biosynthesis. <i>Frontiers in Microbiology</i> , 2018, 9, 1358.	1.5	25
57	Construction of a pH-responsive drug delivery platform based on the hybrid of mesoporous silica and chitosan. <i>Journal of Saudi Chemical Society</i> , 2021, 25, 101174.	2.4	25
58	Differential Regulation of Extracellular Matrix and Soluble Fibulin-1 Levels by TGF- β 1 in Airway Smooth Muscle Cells. <i>PLoS ONE</i> , 2013, 8, e65544.	1.1	24
59	Palygorskite-poly(o-phenylenediamine) nanocomposite: An enhanced electrochemical platform for glucose biosensing. <i>Applied Clay Science</i> , 2013, 86, 59-63.	2.6	23
60	A novel peptide ADAM8 inhibitor attenuates bronchial hyperresponsiveness and Th2 cytokine mediated inflammation of murine asthmatic models. <i>Scientific Reports</i> , 2016, 6, 30451.	1.6	23
61	Preparation of Chinese mystery snail shells derived hydroxyapatite with different morphology using condensed phosphate sources. <i>Ceramics International</i> , 2016, 42, 16671-16676.	2.3	23
62	Microwave-assisted fabrication of strontium doped apatite coating on Ti6Al4V. <i>Materials Science and Engineering C</i> , 2015, 56, 174-180.	3.8	22
63	Artesunate attenuates airway resistance <i>in vivo</i> and relaxes airway smooth muscle cells <i>in vitro</i> via bitter taste receptor-dependent calcium signalling. <i>Experimental Physiology</i> , 2019, 104, 231-243.	0.9	22
64	Preparation of calcium phosphates with negative zeta potential using sodium calcium polyphosphate as a precursor. <i>Materials Letters</i> , 2015, 156, 79-81.	1.3	21
65	Conditioned Medium from Malignant Breast Cancer Cells Induces an EMT-Like Phenotype and an Altered N-Glycan Profile in Normal Epithelial MCF10A Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1528.	1.8	21
66	Evaluating interaction forces between BSA and rabbit anti-BSA in sulphathiazole sodium, tylosin and levofloxacin solution by AFM. <i>Nanoscale Research Letters</i> , 2011, 6, 579.	3.1	19
67	Developing a fluorescence-coupled capillary electrophoresis based method to probe interactions between QDs and colorectal cancer targeting peptides. <i>Electrophoresis</i> , 2016, 37, 2170-2174.	1.3	19
68	A facile route to prepare functional mesoporous organosilica spheres with electroactive units for chiral recognition of amino acids. <i>Analyst</i> , 2019, 144, 543-549.	1.7	19
69	Stress and strain in the contractile and cytoskeletal filaments of airway smooth muscle. <i>Pulmonary Pharmacology and Therapeutics</i> , 2009, 22, 407-416.	1.1	18
70	Probing Specific Interaction Forces Between Human IgG and Rat Anti-Human IgG by Self-Assembled Monolayer and Atomic Force Microscopy. <i>Nanoscale Research Letters</i> , 2010, 5, 1032-1038.	3.1	18
71	Polydopamine Core Half-Polyamidoamine Dendrimers Based Drug-Delivery Platform and Characterization by Electrochemical Impedance Spectroscopy. <i>Journal of the Electrochemical Society</i> , 2015, 162, C87-C93.	1.3	18
72	Effects of the Lower Airway Secretions on Airway Opening Pressures and Suction Pressures in Critically Ill COVID-19 Patients: A Computational Simulation. <i>Annals of Biomedical Engineering</i> , 2020, 48, 3003-3013.	1.3	18

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73	Evaluation of pharmacological relaxation effect of the natural product naringin on in vitro cultured airway smooth muscle cells and in vivo ovalbumin-induced asthma Balb/c mice. <i>Biomedical Reports</i> , 2016, 5, 715-722.	0.9	18
74	Toward the Identification of Extra-Oral TAS2R Agonists as Drug Agents for Muscle Relaxation Therapies via Bioinformatics-Aided Screening of Bitter Compounds in Traditional Chinese Medicine. <i>Frontiers in Physiology</i> , 2019, 10, 861.	1.3	17
75	Preparation and Characterization of Covalently Binding of Rat Anti-human IgG Monolayer on Thiol-Modified Gold Surface. <i>Nanoscale Research Letters</i> , 2009, 4, 1403-8.	3.1	16
76	A novel hydrogen peroxide sensor based on Ag nanoparticles decorated polyaniline/graphene composites. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	16
77	Synthesis and characterization of β -cyclodextrin-conjugated alginate hydrogel for controlled release of hydrocortisone acetate in response to mechanical stimulation. <i>Journal of Bioactive and Compatible Polymers</i> , 2015, 30, 584-599.	0.8	15
78	Synthesis of β -TCP and CPP containing biphasic calcium phosphates by a robust technique. <i>Ceramics International</i> , 2016, 42, 11032-11038.	2.3	15
79	Overexpression of soluble ADAM33 promotes a hypercontractile phenotype of the airway smooth muscle cell in rat. <i>Experimental Cell Research</i> , 2016, 349, 109-118.	1.2	15
80	Amperometric biosensor based on electrochemically reduced graphene oxide/poly(<i>m</i> -dihydroxybenzene) composites for glucose determination. <i>Materials Technology</i> , 2017, 32, 1-6.	1.5	15
81	Surface modification of chitosan film via polydopamine coating to promote biomineralization in bone tissue engineering. <i>Journal of Bioactive and Compatible Polymers</i> , 2018, 33, 134-145.	0.8	15
82	Grafting antibiofilm polymer hydrogel film onto catheter by SARA SI-ATRP. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 2106-2123.	1.9	15
83	Construction of a pH- and near-infrared irradiation-responsive nanoplatfrom for chemo-photothermal therapy. <i>International Journal of Pharmaceutics</i> , 2021, 593, 120112.	2.6	15
84	Effects of micropatterned curvature on the motility and mechanical properties of airway smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2011, 415, 591-596.	1.0	14
85	Rho-kinase mediated cytoskeletal stiffness in skinned smooth muscle. <i>Journal of Applied Physiology</i> , 2013, 115, 1540-1552.	1.2	14
86	ADAM33 protein expression and the mechanics of airway smooth muscle cells are highly correlated in ovalbumin-sensitized rats. <i>Molecular Medicine Reports</i> , 2013, 8, 1209-1215.	1.1	14
87	Overoxidation of Conducting Polymers Combined with In Situ Plated Bismuth Film: An Approach for Simultaneous Detection of Cadmium and Lead Ions. <i>Journal of the Electrochemical Society</i> , 2015, 162, H194-H199.	1.3	14
88	Communicationâ€”Three-Dimensional Electro- and pH-Responsive Polypyrrole/Alginate Hybrid for Dual-Controlled Drug Delivery. <i>Journal of the Electrochemical Society</i> , 2016, 163, G33-G36.	1.3	14
89	Naringin as a plant-derived bitter tastant promotes proliferation of cultured human airway epithelial cells via activation of TAS2R signaling. <i>Phytomedicine</i> , 2021, 84, 153491.	2.3	14
90	CTNNAL1 inhibits ozoneâ€”induced epithelialâ€”mesenchymal transition in human bronchial epithelial cells. <i>Experimental Physiology</i> , 2018, 103, 1157-1169.	0.9	13

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91	ADAM8 in Asthma. Friend or Foe to Airway Inflammation?. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 875-884.	1.4	11
92	A collagen film with micro-rough surface can promote the corneal epithelization process for corneal repair. International Journal of Biological Macromolecules, 2019, 121, 233-238.	3.6	11
93	Sensing Traction Force on the Matrix Induces Cell-Cell Distant Mechanical Communications for Self-Assembly. ACS Biomaterials Science and Engineering, 2020, 6, 5833-5848.	2.6	11
94	Sulfoalkyl ether β -cyclodextrin derivatives synthesized by a single step method as pharmaceutical biomaterials. Science Bulletin, 2009, 54, 3187-3199.	1.7	10
95	Phylogenetic and molecular evolution of the ADAM (A Disintegrin And Metalloprotease) gene family from <i>Xenopus tropicalis</i> , to <i>Mus musculus</i> , <i>Rattus norvegicus</i> , and <i>Homo sapiens</i> . Gene, 2012, 507, 36-43.	1.0	10
96	Cell-extracellular matrix interactions in the fluidic phase direct the topology and polarity of self-organized epithelial structures. Cell Proliferation, 2021, 54, e13014.	2.4	10
97	Stepwise Increasing and Decreasing Fluid Shear Stresses Differentially Regulate the Functions of Osteoblasts. Cellular and Molecular Bioengineering, 2010, 3, 376-386.	1.0	9
98	Natural plant extract tubeimoside I induces cytotoxicity via the mitochondrial pathway in human normal liver cells. Molecular Medicine Reports, 2011, 4, 713-8.	1.1	9
99	A Well-Defined Amphiphilic Polymer Conetwork from Sequence Control of the Cross-Linking in Polymer Chains. Industrial & Engineering Chemistry Research, 2014, 53, 19239-19248.	1.8	9
100	Fabrication and evaluation of calcium alginate/ calcium polyphosphate composite. Materials Letters, 2016, 180, 184-187.	1.3	9
101	Increased intracellular $Cl^{sup>-</sup>}$ concentration improves airway epithelial migration by activating the RhoA/ROCK Pathway. Theranostics, 2020, 10, 8528-8540.	4.6	9
102	Evaluation of Accuracy for the Measurement of Octanol-Water Partition Coefficient by MEEKC. Chromatographia, 2012, 75, 347-352.	0.7	8
103	Thermoresponsive Nanospheres with Entrapped Fluorescent Conjugated Polymers for Cellular Labeling. ACS Applied Bio Materials, 2018, 1, 888-893.	2.3	8
104	A microfluidic device for differential capture of heterogeneous rare tumor cells with epithelial and mesenchymal phenotypes. Analytica Chimica Acta, 2020, 1129, 1-11.	2.6	8
105	A study on the tubular composite with tunable compression mechanical behavior inspired by wood cell. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 89, 132-142.	1.5	7
106	Sanguinarine Rapidly Relaxes Rat Airway Smooth Muscle Cells Dependent on TAS2R Signaling. Biological and Pharmaceutical Bulletin, 2020, 43, 1027-1034.	0.6	7
107	FRET Visualization of Cyclic Stretch-Activated ERK via Calcium Channels Mechanosensation While Not Integrin β 1 in Airway Smooth Muscle Cells. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	7
108	Fabrication of Galactosylated Polyethylenimine and Plasmid DNA Multilayers on poly (D,L-lactic acid) Films for in situ Targeted Gene Transfection. Advanced Engineering Materials, 2009, 11, B30.	1.6	6

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109	Depletion effect and biomembrane budding. <i>Journal of Biological Physics</i> , 2013, 39, 665-671.	0.7	6
110	Bisulfite and sulfite as derivatives of sulfur dioxide alters biomechanical behaviors of airway smooth muscle cells in culture. <i>Inhalation Toxicology</i> , 2014, 26, 166-174.	0.8	6
111	Silicon (Si) containing bone cements: a review. <i>Materials Technology</i> , 2015, 30, 229-236.	1.5	6
112	Development and maintenance of force and stiffness in airway smooth muscle. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 163-169.	0.7	6
113	Emergent Differential Organization of Airway Smooth Muscle Cells on Concave and Convex Tubular Surface. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 717771.	1.6	6
114	Determination of Glottic Opening Fluctuation by a New Method Based on Nasopharyngoscopy. <i>Chinese Journal of Physiology</i> , 2013, 56, 52-57.	0.4	6
115	MircroRNA Let-7a-5p in Airway Smooth Muscle Cells is Most Responsive to High Stretch in Association With Cell Mechanics Modulation. <i>Frontiers in Physiology</i> , 2022, 13, 830406.	1.3	6
116	Toothpaste microstructure and rheological behaviors including aging and partial rejuvenation. <i>Korea Australia Rheology Journal</i> , 2015, 27, 207-212.	0.7	5
117	Deposition of calcium phosphate coatings using condensed phosphates ($P_2O_7^{4-}$ and $P_3O_{10}^{5-}$) as phosphate source through induction heating. <i>Materials Science and Engineering C</i> , 2016, 69, 337-342.	3.8	5
118	Microwave hydrothermal synthesis of calcium phosphates using inorganic condensed phosphate salts as precursors. <i>Materials Letters</i> , 2016, 180, 239-242.	1.3	5
119	Effects of ozone stimulation of bronchial epithelial cells on proliferation and collagen synthesis of co-cultured lung fibroblasts. <i>Experimental and Therapeutic Medicine</i> , 2018, 15, 5314-5322.	0.8	5
120	Structure-driven biomimetic self-morphing composites fabricated by multi-process 3-D printing. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 123, 1-9.	3.8	5
121	Cell motion-coordinated fibrillar assembly of soluble collagen I to promote MDCK cell branching formation. <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 317-324.	1.0	5
122	Sanguinarine Decreases Cell Stiffness and Traction Force and Inhibits the Reactivity of Airway Smooth Muscle Cells in Culture. <i>MCB Molecular and Cellular Biomechanics</i> , 2019, 16, 141-151.	0.3	5
123	Integrin- α 4 regulates the dynamic changes of phenotypic characteristics in association with epithelial-mesenchymal transition (EMT) and RhoA activity in airway epithelial cells during injury and repair. <i>International Journal of Biological Sciences</i> , 2022, 18, 1254-1270.	2.6	5
124	Coupling Capillary Electrophoresis and Ion Mobility Spectrometry via Electrospray Interface: a Preliminary Study. <i>Advanced Materials Research</i> , 0, 160-162, 1531-1534.	0.3	4
125	Imaging and determining friction forces of specific interactions between human IgG and rat anti-human IgG. <i>Journal of Biological Physics</i> , 2011, 37, 417-427.	0.7	4
126	CHARACTERIZATION AND EVALUATION OF TITANIUM SUBSTRATES COATED WITH GELATIN/HYDROXYAPATITE COMPOSITE FOR CULTURING RAT BONE MARROW DERIVED MESENCHYMAL STROMAL CELLS. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2012, 24, 197-206.	0.3	4

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127	In vitro assay of cytoskeleton nanomechanics as a tool for screening potential anticancer effects of natural plant extract, tubeimoside I on human hepatoma (HepG2) cells. <i>Science Bulletin</i> , 2013, 58, 2576-2583.	1.7	4
128	Microwave-assisted rapid preparation of Ca ₁₀ Na(PO ₄) ₇ using sodium triphosphate as a phosphorus source. <i>Ceramics International</i> , 2015, 41, 15111-15115.	2.3	4
129	Saponins of <i>Dioscorea Nipponicae</i> Inhibits IL-17A-Induced Changes in Biomechanical Behaviors of In Vitro Cultured Human Airway Smooth Muscle Cells. <i>Journal of Engineering and Science in Medical Diagnostics and Therapy</i> , 2019, 2, 0110021-110027.	0.3	4
130	Chiral supramolecular hydrogel with controllable phase transition behavior for stereospecific molecular recognition. <i>Journal of Electroanalytical Chemistry</i> , 2021, 883, 115045.	1.9	4
131	Bitter Taste Receptor Agonist (Quinine) Induces Traction Force Reduction and Calcium Flux Increase in Airway Smooth Muscle Cells from Ovalbumin-Sensitized and Challenged Rats. <i>Journal of Advances in Biomedical Engineering and Technology</i> , 2015, 2, 20-27.	0.2	4
132	Hydroxyapatite: a promising hemostatic component in orthopaedic applications. <i>Biology, Engineering and Medicine</i> , 2017, 2, .	0.1	4
133	Toward an optimized strategy of using various airway mucus clearance techniques to treat critically ill COVID-19 patients. <i>Biocell</i> , 2022, 46, 855-871.	0.4	4
134	Fabrication and evaluation of Pb(W _{0.5} Cu _{0.5})O ₃ modified PLZT piezoelectric ceramics. <i>Ceramics International</i> , 2015, 41, 941-946.	2.3	3
135	Sensitive detection of cell-derived force and collagen matrix tension in microtissues undergoing large-scale densification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	3
136	Tumor Suppressor DLEC1 can Stimulate the Proliferation of Cancer Cells When AP-2 β is Down-Regulated in HCT116. <i>Hepatitis Monthly</i> , 2015, 15, e29829.	0.1	3
137	Tuning the emission properties of a fluorescent polymer using a polymer microarray approach – identification of an optothermo responsive polymer. <i>Chemical Communications</i> , 2016, 52, 10521-10524.	2.2	2
138	Reproducibility and Radiation Effect of High-Resolution In Vivo Micro Computed Tomography Imaging of the Mouse Lumbar Vertebra and Long Bone. <i>Annals of Biomedical Engineering</i> , 2020, 48, 157-168.	1.3	2
139	Deficiency of Integrin β 24 Results in Increased Lung Tissue Stiffness and Responds to Substrate Stiffness via Modulating RhoA Activity. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 845440.	1.8	2
140	Modification of Collagen Film via Surface Grafting of Taurine Molecular to Promote Corneal Nerve Repair and Epithelization Process. <i>Journal of Functional Biomaterials</i> , 2022, 13, 98.	1.8	2
141	IMAGE-BASED IN VIVO QUANTITATIVE ASSESSMENT OF HUMAN AIRWAY OPENING AND CONTRACTILITY BY FIBER OPTICAL NASOPHARYNGOSCOPY IN HEALTHY AND ASTHMATIC SUBJECTS. <i>Journal of Innovative Optical Health Sciences</i> , 2013, 06, 1350013.	0.5	1
142	Novel copolymers drive differentiation of human adipose derived stem cells towards chondrocytes and osteoblasts identified by high-throughput approach. <i>Biomedical Physics and Engineering Express</i> , 2020, 6, 025005.	0.6	1
143	Macrophage Physical State And Function Is Determined By The Physical State Of The Environment. , 2010, , .		0
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