Linhong Deng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8124523/publications.pdf

Version: 2024-02-01

154	5,235	94269 37	102304 66
papers	citations	h-index	g-index

167	167	167	6984
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Integrin-Î²4 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. International Journal of Biological Sciences, 2022, 18, 1254-1270.	2.6	5
2	Toward an optimized strategy of using various airway mucus clearance techniques to treat critically ill COVID-19 patients. Biocell, 2022, 46, 855-871.	0.4	4
3	Compression enhances invasive phenotype and matrix degradation of breast cancer cells via Piezo1 activation. BMC Molecular and Cell Biology, 2022, 23, 1.	1.0	30
4	MircroRNA Let-7a-5p in Airway Smooth Muscle Cells is Most Responsive to High Stretch in Association With Cell Mechanics Modulation. Frontiers in Physiology, 2022, 13, 830406.	1.3	6
5	Deficiency of Integrin Î²4 Results in Increased Lung Tissue Stiffness and Responds to Substrate Stiffness via Modulating RhoA Activity. Frontiers in Cell and Developmental Biology, 2022, 10, 845440.	1.8	2
6	FRET Visualization of Cyclic Stretch-Activated ERK via Calcium Channels Mechanosensation While Not Integrin Î²1 in Airway Smooth Muscle Cells. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	7
7	Modification of Collagen Film via Surface Grafting of Taurine Molecular to Promote Corneal Nerve Repair and Epithelization Process. Journal of Functional Biomaterials, 2022, 13, 98.	1.8	2
8	Construction of a pH- and near-infrared irradiation-responsive nanoplatform for chemo-photothermal therapy. International Journal of Pharmaceutics, 2021, 593, 120112.	2.6	15
9	Construction of a pH-responsive drug delivery platform based on the hybrid of mesoporous silica and chitosan. Journal of Saudi Chemical Society, 2021, 25, 101174.	2.4	25
10	Cellâ€extracellular matrix interactions in the fluidic phase direct the topology and polarity of selfâ€organized epithelial structures. Cell Proliferation, 2021, 54, e13014.	2.4	10
11	Chiral supramolecular hydrogel with controllable phase transition behavior for stereospecific molecular recognition. Journal of Electroanalytical Chemistry, 2021, 883, 115045.	1.9	4
12	Naringin as a plant-derived bitter tastant promotes proliferation of cultured human airway epithelial cells via activation of TAS2R signaling. Phytomedicine, 2021, 84, 153491.	2.3	14
13	Potential effect of pulmonary fluid viscosity on positive end-expiratory pressure and regional distribution of lung ventilation in acute respiratory distress syndrome. Clinical Biomechanics, 2021, 87, 105407.	0.5	0
14	Emergent Differential Organization of Airway Smooth Muscle Cells on Concave and Convex Tubular Surface. Frontiers in Molecular Biosciences, 2021, 8, 717771.	1.6	6
15	Sensitive detection of cell-derived force and collagen matrix tension in microtissues undergoing large-scale densification. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	3
16	Reproducibility and Radiation Effect of High-Resolution In Vivo Micro Computed Tomography Imaging of the Mouse Lumbar Vertebra and Long Bone. Annals of Biomedical Engineering, 2020, 48, 157-168.	1.3	2
17	Facile synthesis of Ca2+-crosslinked sodium alginate/graphene oxide hybrids as electro- and pH-responsive drug carrier. Materials Science and Engineering C, 2020, 108, 110380.	3.8	35
18	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

#	Article	IF	Citations
19	Increased intracellular Cl⁻ concentration improves airway epithelial migration by activating the RhoA/ROCK Pathway. Theranostics, 2020, 10, 8528-8540.	4.6	9
20	Effects of the Lower Airway Secretions on Airway Opening Pressures and Suction Pressures in Critically Ill COVID-19 Patients: A Computational Simulation. Annals of Biomedical Engineering, 2020, 48, 3003-3013.	1.3	18
21	Sensing Traction Force on the Matrix Induces Cellâ€“Cell Distant Mechanical Communications for Self-Assembly. ACS Biomaterials Science and Engineering, 2020, 6, 5833-5848.	2.6	11
22	Sanguinarine Rapidly Relaxes Rat Airway Smooth Muscle Cells Dependent on TAS2R Signaling. Biological and Pharmaceutical Bulletin, 2020, 43, 1027-1034.	0.6	7
23	Cell motion-coordinated fibrillar assembly of soluble collagen I to promote MDCK cell branching formation. Biochemical and Biophysical Research Communications, 2020, 524, 317-324.	1.0	5
24	pH-sensitive drug delivery based on chitosan wrapped graphene quantum dots with enhanced fluorescent stability. Materials Science and Engineering C, 2020, 112, 110888.	3.8	41
25	Novel copolymers drive differentiation of human adipose derived stem cells towards chondrocytes and osteoblasts identified by high-throughput approach. Biomedical Physics and Engineering Express, 2020, 6, 025005.	0.6	1
26	Artesunate attenuates airway resistance in vivo and relaxes airway smooth muscle cells in vitro via bitter taste receptorâ€dependent calcium signalling. Experimental Physiology, 2019, 104, 231-243.	0.9	22
27	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. Frontiers in Physiology, 2019, 10, 861.	1.3	17
28	Covalent Functionalization of Bovine Serum Albumin with Graphene Quantum Dots for Stereospecific Molecular Recognition. Analytical Chemistry, 2019, 91, 11864-11871.	3.2	53
29	Migration of endothelial cells and mesenchymal stem cells into hyaluronic acid hydrogels with different moduli under induction of pro-inflammatory macrophages. Journal of Materials Chemistry B, 2019, 7, 5478-5489.	2.9	31
30	A facile route to prepare functional mesoporous organosilica spheres with electroactive units for chiral recognition of amino acids. Analyst, The, 2019, 144, 543-549.	1.7	19
31	Saponins of Dioscorea Nipponicae Inhibits IL-17A-Induced Changes in Biomechanical Behaviors of In Vitro Cultured Human Airway Smooth Muscle Cells. Journal of Engineering and Science in Medical Diagnostics and Therapy, 2019, 2, 0110021-110027.	0.3	4
32	Structure-driven biomimetic self-morphing composites fabricated by multi-process 3-D printing. Composites Part A: Applied Science and Manufacturing, 2019, 123, 1-9.	3.8	5
33	Determination of rheology and surface tension of airway surface liquid: a review of clinical relevance and measurement techniques. Respiratory Research, 2019, 20, 274.	1.4	39
34	Sensitive FRET Biosensor Reveals Fyn Kinase Regulation by Submembrane Localization. ACS Sensors, 2019, 4, 76-86.	4.0	26
35	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
36	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

#	Article	IF	Citations
37	Sanguinarine Decreases Cell Stiffness and Traction Force and Inhibits the Reactivity of Airway Smooth Muscle Cells in Culture. MCB Molecular and Cellular Biomechanics, 2019, 16, 141-151.	0.3	5
38	Transgelin-2 as a therapeutic target for asthmatic pulmonary resistance. Science Translational Medicine, 2018, 10, .	5.8	47
39	Biodegradable pH-responsive hydrogels for controlled dual-drug release. Journal of Materials Chemistry B, 2018, 6, 510-517.	2.9	86
40	A novel electrochemical chiral interface based on sandwich-structured molecularly imprinted SiO2/AuNPs/SiO2 for enantioselective recognition of cysteine isomers. Electrochemistry Communications, 2018, 86, 57-62.	2.3	27
41	Surface modification of chitosan film via polydopamine coating to promote biomineralization in bone tissue engineering. Journal of Bioactive and Compatible Polymers, 2018, 33, 134-145.	0.8	15
42	Inflammatory mediators mediate airway smooth muscle contraction through a G protein-coupled receptorâ€“transmembrane protein 16Aâ€“voltage-dependent Ca2+ channel axis and contribute to bronchial hyperresponsiveness in asthma. Journal of Allergy and Clinical Immunology, 2018, 141, 1259-1268.e11.	1.5	40
43	A novel electrochemical chiral sensor for tyrosine isomers based on a coordination-driven self-assembly. Sensors and Actuators B: Chemical, 2018, 255, 255-261.	4.0	59
44	CTNNAL1 inhibits ozoneâ€induced epithelialâ€“mesenchymal transition in human bronchial epithelial cells. Experimental Physiology, 2018, 103, 1157-1169.	0.9	13
45	SAV4189, a MarR-Family Regulator in Streptomyces avermitilis, Activates Avermectin Biosynthesis. Frontiers in Microbiology, 2018, 9, 1358.	1.5	25
46	Coinduction of a Chiral Microenvironment in Polypyrrole by Overoxidation and Camphorsulfonic Acid for Electrochemical Chirality Sensing. Analytical Chemistry, 2018, 90, 9551-9558.	3.2	39
47	Thermoresponsive Nanospheres with Entrapped Fluorescent Conjugated Polymers for Cellular Labeling. ACS Applied Bio Materials, 2018, 1, 888-893.	2.3	8
48	Grafting antibiofilm polymer hydrogel film onto catheter by SARA SI-ATRP. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 2106-2123.	1.9	15
49	Effects of ozone stimulation of bronchial epithelial cells on proliferation and collagen synthesis of coâ€cultured lung fibroblasts. Experimental and Therapeutic Medicine, 2018, 15, 5314-5322.	0.8	5
50	Amperometric biosensor based on electrochemically reduced graphene oxide/poly(m-dihydroxybenzene) composites for glucose determination. Materials Technology, 2017, 32, 1-6.	1.5	15
51	Construction of magnetic-targeted and NIR irradiation-controlled drug delivery platform with Fe3O4@Au@SiO2 nanospheres. Ceramics International, 2017, 43, 5061-5067.	2.3	31
52	Electrochemical Enantioselective Recognition in a Highly Ordered Self-Assembly Framework. Analytical Chemistry, 2017, 89, 1900-1906.	3.2	73
53	Gentamicin modified chitosan film with improved antibacterial property and cell biocompatibility. International Journal of Biological Macromolecules, 2017, 98, 550-556.	3.6	55
54	Mesoporous hydroxyapatite nanoparticles hydrothermally synthesized in aqueous solution with hexametaphosphate and tea polyphenols. Materials Science and Engineering C, 2017, 71, 439-445.	3.8	30

#	Article	IF	Citations
55	Conditioned Medium from Malignant Breast Cancer Cells Induces an EMT-Like Phenotype and an Altered N-Glycan Profile in Normal Epithelial MCF10A Cells. International Journal of Molecular Sciences, 2017, 18, 1528.	1.8	21
56	pH-Controlled drug delivery with hybrid aerogel of chitosan, carboxymethyl cellulose and graphene oxide as the carrier. International Journal of Biological Macromolecules, 2017, 103, 248-253.	3.6	147
57	Hydroxyapatite: a promising hemostatic component in orthopaedic applications. Biology, Engineering and Medicine, 2017, 2, .	0.1	4
58	Developing a fluorescenceâ€coupled capillary electrophoresis based method to probe interactions between QDs and colorectal cancer targeting peptides. Electrophoresis, 2016, 37, 2170-2174.	1.3	19
59	Deposition of calcium phosphate coatings using condensed phosphates (P 2 O 7 4â^' and P 3 O 10 5â^') as phosphate source through induction heating. Materials Science and Engineering C, 2016, 69, 337-342.	3.8	5
60	A novel peptide ADAM8 inhibitor attenuates bronchial hyperresponsiveness and Th2 cytokine mediated inflammation of murine asthmatic models. Scientific Reports, 2016, 6, 30451.	1.6	23
61	Synthesis of Î²-TCP and CPP containing biphasic calcium phosphates by a robust technique. Ceramics International, 2016, 42, 11032-11038.	2.3	15
62	Highly fluorescent and morphology-controllable graphene quantum dots-chitosan hybrid xerogels for in vivo imaging and pH-sensitive drug carrier. Materials Science and Engineering C, 2016, 67, 478-485.	3.8	77
63	Overexpression of soluble ADAM33 promotes a hypercontractile phenotype of the airway smooth muscle cell in rat. Experimental Cell Research, 2016, 349, 109-118.	1.2	15
64	Fabrication and evaluation of calcium alginate/ calcium polyphosphate composite. Materials Letters, 2016, 180, 184-187.	1.3	9
65	Tuning the emission properties of a fluorescent polymer using a polymer microarray approach â€“ identification of an optothermo responsive polymer. Chemical Communications, 2016, 52, 10521-10524.	2.2	2
66	Preparation of Chinese mystery snail shells derived hydroxyapatite with different morphology using condensed phosphate sources. Ceramics International, 2016, 42, 16671-16676.	2.3	23
67	Microwave hydrothermal synthesis of calcium phosphates using inorganic condensed phosphate salts as precursors. Materials Letters, 2016, 180, 239-242.	1.3	5
68	Chemical modification of chitosan film via surface grafting of citric acid molecular to promote the biomineralization. Applied Surface Science, 2016, 370, 270-278.	3.1	50
69	Communicationâ€"Three-Dimensional Electro- and pH-Responsive Polypyrrole/Alginate Hybrid for Dual-Controlled Drug Delivery. Journal of the Electrochemical Society, 2016, 163, G33-G36.	1.3	14
70	Potato starch as a highly enantioselective system for temperature-dependent electrochemical recognition of tryptophan isomers. Electrochemistry Communications, 2016, 64, 21-25.	2.3	29
71	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. Biomedical Reports, 2016, 5, 715-722.	0.9	18
72	Silicon (Si) containing bone cements: a review. Materials Technology, 2015, 30, 229-236.	1.5	6

#	Article	IF	Citations
73	A novel hydrogen peroxide sensor based on Ag nanoparticles decorated polyaniline/graphene composites. Journal of Applied Polymer Science, 2015, 132, .	1.3	16
74	Interleukin-1β and tumor necrosis factor-α increase stiffness and impair contractile function of articular chondrocytes. Acta Biochimica Et Biophysica Sinica, 2015, 47, 121-129.	0.9	43
75	Development and maintenance of force and stiffness in airway smooth muscle. Canadian Journal of Physiology and Pharmacology, 2015, 93, 163-169.	0.7	6
76	Overoxidation of Conducting Polymers Combined with In Situ Plated Bismuth Film: An Approach for Simultaneous Detection of Cadmium and Lead Ions. Journal of the Electrochemical Society, 2015, 162, H194-H199.	1.3	14
77	Electrochemical Recognition of Tyrosine Enantiomers Based on Chiral Ligand Exchange with Sodium Alginate as the Chiral Selector. Journal of the Electrochemical Society, 2015, 162, H486-H491.	1.3	41
78	Microwave-assisted fabrication of strontium doped apatite coating on Ti6Al4V. Materials Science and Engineering C, 2015, 56, 174-180.	3.8	22
79	Polydopamine Core Half-Polyamidoamine Dendrimers Based Drug-Delivery Platform and Characterization by Electrochemical Impedance Spectroscopy. Journal of the Electrochemical Society, 2015, 162, G87-G93.	1.3	18
80	Preparation of calcium phosphates with negative zeta potential using sodium calcium polyphosphate as a precursor. Materials Letters, 2015, 156, 79-81.	1.3	21
81	Synthesis and characterization of Î²-cyclodextrin-conjugated alginate hydrogel for controlled release of hydrocortisone acetate in response to mechanical stimulation. Journal of Bioactive and Compatible Polymers, 2015, 30, 584-599.	0.8	15
82	Electrochemical enantiorecognition of tryptophan enantiomers based on graphene quantum dotsâ€“chitosan composite film. Electrochemistry Communications, 2015, 57, 5-9.	2.3	90
83	Distinctive pharmacological differences between liver cancer cell lines HepG2 and Hep3B. Cytotechnology, 2015, 67, 1-12.	0.7	95
84	Chiral Recognition of <scp>d</scp>-Tryptophan by Confining High-Energy Water Molecules Inside the Cavity of Copper-Modified Î²-Cyclodextrin. Journal of Physical Chemistry C, 2015, 119, 8183-8190.	1.5	71
85	Microwave-assisted rapid preparation of Ca10Na(PO4)7 using sodium triphosphate as a phosphorus source. Ceramics International, 2015, 41, 15111-15115.	2.3	4
86	DNA-Inspired Electrochemical Recognition of Tryptophan Isomers by Electrodeposited Chitosan and Sulfonated Chitosan. Analytical Chemistry, 2015, 87, 9481-9486.	3.2	79
87	Toothpaste microstructure and rheological behaviors including aging and partial rejuvenation. Korea Australia Rheology Journal, 2015, 27, 207-212.	0.7	5
88	Force maintenance and myosin filament assembly regulated by Rho-kinase in airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L1-L10.	1.3	39
89	Microwaveâ€Assisted Production of Amorphous Calcium Magnesium Phosphate: Study From Coâ€Precipitation to Sintered Products. International Journal of Applied Ceramic Technology, 2015, 12, E7.	1.1	0
90	Fabrication and evaluation of Pb(W0.5Cu0.5)O3 modified PLZT piezoelectric ceramics. Ceramics International, 2015, 41, 941-946.	2.3	3

#	Article	IF	Citations
91	Bitter Taste Receptor Agonist (Quinine) Induces Traction Force Reduction and Calcium Flux Increase in Airway Smooth Muscle Cells from Ovalbumin-Sensitized and Challenged Rats. Journal of Advances in Biomedical Engineering and Technology, 2015, 2, 20-27.	0.2	4
92	Tumor Suppressor DLEC1 can Stimulate the Proliferation of Cancer Cells When AP-2É‘2 is Down-Regulated in HCT116. Hepatitis Monthly, 2015, 15, e29829.	0.1	3
93	Bisulfite and sulfite as derivatives of sulfur dioxide alters biomechanical behaviors of airway smooth muscle cells in culture. Inhalation Toxicology, 2014, 26, 166-174.	0.8	6
94	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
95	Substrate Stiffness Together with Soluble Factors Affects Chondrocyte Mechanoresponses. ACS Applied Materials & Interfaces, 2014, 6, 16106-16116.	4.0	45
96	Palygorskite polypyrrole nanocomposite: A new platform for electrically tunable drug delivery. Applied Clay Science, 2014, 99, 119-124.	2.6	43
97	Depletion effect and biomembrane budding. Journal of Biological Physics, 2013, 39, 665-671.	0.7	6
98	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. Science Bulletin, 2013, 58, 2576-2583.	1.7	4
99	Biomechanical properties and mechanobiology of the articular chondrocyte. American Journal of Physiology - Cell Physiology, 2013, 305, C1202-C1208.	2.1	75
100	Palygorskite-poly(o-phenylenediamine) nanocomposite: An enhanced electrochemical platform for glucose biosensing. Applied Clay Science, 2013, 86, 59-63.	2.6	23
101	Airway contractility and remodeling: Links to asthma symptoms. Pulmonary Pharmacology and Therapeutics, 2013, 26, 3-12.	1.1	34
102	Substrate stiffness influences TGF-Î²1-induced differentiation of bronchial fibroblasts into myofibroblasts in airway remodeling. Molecular Medicine Reports, 2013, 7, 419-424.	1.1	55
103	ADAM8 in Asthma. Friend or Foe to Airway Inflammation?. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 875-884.	1.4	11
104	Rho-kinase mediated cytoskeletal stiffness in skinned smooth muscle. Journal of Applied Physiology, 2013, 115, 1540-1552.	1.2	14
105	Dynamin 1-like-dependent mitochondrial fission initiates overactive mitophagy in the hepatotoxicity of cadmium. Autophagy, 2013, 9, 1780-1800.	4.3	123
106	IMAGE-BASED IN VIVO QUANTITATIVE ASSESSMENT OF HUMAN AIRWAY OPENING AND CONTRACTILITY BY FIBER OPTICAL NASOPHARYNGOSCOPY IN HEALTHY AND ASTHMATIC SUBJECTS. Journal of Innovative Optical Health Sciences, 2013, 06, 1350013.	0.5	1
107	ADAM33 protein expression and the mechanics of airway smooth muscle cells are highly correlated in ovalbumin-sensitized rats. Molecular Medicine Reports, 2013, 8, 1209-1215.	1.1	14
108	Differential Regulation of Extracellular Matrix and Soluble Fibulin-1 Levels by TGF-Î²1 in Airway Smooth Muscle Cells. PLoS ONE, 2013, 8, e65544.	1.1	24

#	Article	IF	Citations
109	Determination of Glottic Opening Fluctuation by a New Method Based on Nasopharyngoscopy. Chinese Journal of Physiology, 2013, 56, 52-57.	0.4	6
110	Phylogenetic and molecular evolution of the ADAM (A Disintegrin And Metalloprotease) gene family from Xenopus tropicalis, to Mus musculus, Rattus norvegicus, and Homo sapiens. Gene, 2012, 507, 36-43.	1.0	10
111	Cell Elasticity Determines Macrophage Function. PLoS ONE, 2012, 7, e41024.	1.1	220
112	CHARACTERIZATION AND EVALUATION OF TITANIUM SUBSTRATES COATED WITH GELATIN/HYDROXYAPATITE COMPOSITE FOR CULTURING RAT BONE MARROW DERIVED MESENCHYMAL STROMAL CELLS. Biomedical Engineering - Applications, Basis and Communications, 2012, 24, 197-206.	0.3	4
113	Chronic exposure to sulfur dioxide enhances airway hyperresponsiveness only in ovalbumin-sensitized rats. Toxicology Letters, 2012, 214, 320-327.	0.4	26
114	Evaluation of Accuracy for the Measurement of Octanolâ€“Water Partition Coefficient by MEEKC. Chromatographia, 2012, 75, 347-352.	0.7	8
115	Upregulation of SDF-1 is Associated with Atherosclerosis Lesions Induced by LDL Concentration Polarization. Annals of Biomedical Engineering, 2012, 40, 1018-1027.	1.3	25
116	Effects of micropatterned curvature on the motility and mechanical properties of airway smooth muscle cells. Biochemical and Biophysical Research Communications, 2011, 415, 591-596.	1.0	14
117	Natural Plant Extract Tubeimoside I Promotes Apoptosis-Mediated Cell Death in Cultured Human Hepatoma (HepG2) Cells. Biological and Pharmaceutical Bulletin, 2011, 34, 831-838.	0.6	39
118	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
119	Imaging and determining friction forces of specific interactions between human IgG and rat anti-human IgG. Journal of Biological Physics, 2011, 37, 417-427.	0.7	4
120	Evaluating interaction forces between BSA and rabbit anti-BSA in sulphathiazole sodium, tylosin and levofloxacin solution by AFM. Nanoscale Research Letters, 2011, 6, 579.	3.1	19
121	OPTICALLY TRACKING THE MOTION OF MICROBEADS TO STUDY PHYSICAL BEHAVIORS OF THE LIVING CELL IN RESPONSE TO TRANSIENT STRETCH OR COMPRESSION. Journal of Innovative Optical Health Sciences, 2011, 04, 143-150.	0.5	0
122	TGF-Î²1 promoted MMP-2 mediated wound healing of anterior cruciate ligament fibroblasts through NF-ÎºB. Connective Tissue Research, 2011, 52, 218-225.	1.1	61
123	Macrophage Physical State And Function Is Determined By The Physical State Of The Environment. , 2010, , .		0
124	Stepwise Increasing and Decreasing Fluid Shear Stresses Differentially Regulate the Functions of Osteoblasts. Cellular and Molecular Bioengineering, 2010, 3, 376-386.	1.0	9
125	Probing Specific Interaction Forces Between Human IgG and Rat Anti-Human IgG by Self-Assembled Monolayer and Atomic Force Microscopy. Nanoscale Research Letters, 2010, 5, 1032-1038.	3.1	18
126	Fluidization and Resolidification of the Human Bladder Smooth Muscle Cell in Response to Transient Stretch. PLoS ONE, 2010, 5, e12035.	1.1	94

#	Article	IF	Citations
127	Sulfur Dioxide (SO2) As An Air Pollutant Is Not Wholly Accountable For The Rising Prevalence Of Asthma Among Chinese Children: A Case Study In Chongqing. , 2010, , .		0
128	Development and Calibration of an Optical Magnetic Twisting Cytometry for Studying Nano-Dynamics of Living Cells. Advanced Materials Research, 2010, 160-162, 1535-1540.	0.3	0
129	Light induced heme oxygenase 1 is suppressed by Bach1 in human skin keratinocytes. , 2010, , .		0
130	A role for Nrf2 in UVA-mediated heme oxygenase induction and protection from membrane damage in human skin fibroblasts. Proceedings of SPIE, 2010, , .	0.8	0
131	Imaging recognition events between human IgG and rat anti-human IgG by atomic force microscopy. International Journal of Biological Macromolecules, 2010, 47, 661-667.	3.6	31
132	Stromal Derived Factor-1 Is Up-Expressed in Atherosclerosis Lesion Induced by Low Density Lipoprotein Concentration Polarization. IFMBE Proceedings, 2010, , 402-405.	0.2	0
133	Fabrication of Galactosylated Polyethylenimine and Plasmid DNA Multilayers on poly (<scp>D</scp>,<scp>L</scp>â€lactic acid) Films for in situ Targeted Gene Transfection. Advanced Engineering Materials, 2009, 11, B30.	1.6	6
134	Magnetically Triggered Reversible Controlled Drug Delivery from Microfabricated Polymeric Multireservoir Devices. Advanced Materials, 2009, 21, 4045-4049.	11.1	83
135	Sulfoalkyl ether Î²-cyclodextrin derivatives synthesized by a single step method as pharmaceutical biomaterials. Science Bulletin, 2009, 54, 3187-3199.	1.7	10
136	Preparation and Characterization of Covalently Binding of Rat Anti-human IgG Monolayer on Thiol-Modified Gold Surface. Nanoscale Research Letters, 2009, 4, 1403-8.	3.1	16
137	Surface mediated in situ differentiation of mesenchymal stem cells on gene-functionalized titanium films fabricated by layer-by-layer technique. Biomaterials, 2009, 30, 3626-3635.	5.7	81
138	Inkjet printing of laminin gradient to investigate endothelial cellular alignment. Colloids and Surfaces B: Biointerfaces, 2009, 72, 230-235.	2.5	41
139	Stress and strain in the contractile and cytoskeletal filaments of airway smooth muscle. Pulmonary Pharmacology and Therapeutics, 2009, 22, 407-416.	1.1	18
140	Cellâ€Specific Gene Transfection from a Geneâ€Functionalized Poly(<scp>d,l</scp>â€lactic acid) Substrate Fabricated by the Layerâ€byâ€Layer Assembly Technique. Angewandte Chemie - International Edition, 2008, 47, 7479-7481.	7.2	39
141	Airway smooth muscle cell tone amplifies contractile function in the presence of chronic cyclic strain. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 295, L479-L488.	1.3	41
142	Airway smooth muscle dynamics: a common pathway of airway obstruction in asthma. European Respiratory Journal, 2007, 29, 834-860.	3.1	344
143	Physical and Biological Properties of a Novel Hydrogel Composite Based on Oxidized Alginate, Gelatin and Tricalcium Phosphate for Bone Tissue Engineering. Advanced Engineering Materials, 2007, 9, 1082-1088.	1.6	44
144	Universal physical responses to stretch in the living cell. Nature, 2007, 447, 592-595.	13.7	626

#	Article	IF	Citations
145	Fast and slow dynamics of the cytoskeleton. Nature Materials, 2006, 5, 636-640.	13.3	279
146	Viscoelasticity of the human red blood cell. FASEB Journal, 2006, 20, A280.	0.2	0
147	Airway smooth muscle tone modulates mechanically induced cytoskeletal stiffening and remodeling. Journal of Applied Physiology, 2005, 99, 634-641.	1.2	37
148	Beneficial and harmful effects of oscillatory mechanical strain on airway smooth muscle. Canadian Journal of Physiology and Pharmacology, 2005, 83, 913-922.	0.7	32
149	On the terminology for describing the length-force relationship and its changes in airway smooth muscle. Journal of Applied Physiology, 2004, 97, 2029-2034.	1.2	81
150	Localized mechanical stress induces time-dependent actin cytoskeletal remodeling and stiffening in cultured airway smooth muscle cells. American Journal of Physiology - Cell Physiology, 2004, 287, C440-C448.	2.1	100
151	Mechanical strain increases cell stiffness through cytoskeletal filament reorganization. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2003, 285, L456-L463.	1.3	90
152	Coupling Capillary Electrophoresis and Ion Mobility Spectrometry via Electrospray Interface: a Preliminary Study. Advanced Materials Research, 0, 160-162, 1531-1534.	0.3	4
153	Robust and Self-Healable Antibiofilm Surface Coating Via Layer-by-Layer Self-Assembly and Diels-Alder Reaction. SSRN Electronic Journal, 0, , .	0.4	0
154	Effects of the Lower Airway Secretions on Airway Opening Pressures and Suction Pressures in Critically Ill COVID-19 Patients: A Computational Simulation. SSRN Electronic Journal, 0, , .	0.4	0