

Ping Yang

List of Publications by Year in descending order

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111
papers

1,979
citations

236925

25
h-index

315739

38
g-index

114
all docs

114
docs citations

114
times ranked

2645
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Coupled-/soluble-Copper, Generating from Copper-doped Titanium Dioxide Nanotubes on Cell Response. Recent Patents on Nanotechnology, 2023, 17, 150-158.	1.3	1
2	Residual ultimate strength of ship cracked plates considering fatigue crack propagation under cyclic loads. Ships and Offshore Structures, 2022, 17, 1403-1412.	1.9	3
3	Multi-Input Variable Structure Converter With Optimal Power Extraction Strategy for Energy Harvesting. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2022, 12, 290-300.	3.6	3
4	Enhanced Hemocompatibility of Silver Nanoparticles Using the Photocatalytic Properties of Titanium Dioxide. Frontiers in Bioengineering and Biotechnology, 2022, 10, 855471.	4.1	2
5	Multifunctional Baicalin-Modified Contact Lens for Preventing Infection, Regulating the Ocular Surface Microenvironment and Promoting Corneal Repair. Frontiers in Bioengineering and Biotechnology, 2022, 10, 855022.	4.1	1
6	Significance of different n-alkane biomarker distributions in four same-age peat sequences around the edges of a small maar lake in China. Science of the Total Environment, 2022, 826, 154137.	8.0	3
7	Hybrid Inductive-Power-Transfer Battery Chargers for Electric Vehicle Onboard Charging With Configurable Charging Profile. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 592-599.	8.0	54
8	Photo-functionalized TiO ₂ nanotubes decorated with multifunctional Ag nanoparticles for enhanced vascular biocompatibility. Bioactive Materials, 2021, 6, 45-54.	15.6	25
9	Mechanical properties of warp-knitted metal mesh fabric under biaxial tension loading. Textile Reseach Journal, 2021, 91, 1368-1379.	2.2	2
10	In vitro performance of 3D printed PCL [~] TCP degradable spinal fusion cage. Journal of Biomaterials Applications, 2021, 35, 1304-1314.	2.4	6
11	Intelligent H ₂ S release coating for regulating vascular remodeling. Bioactive Materials, 2021, 6, 1040-1050.	15.6	19
12	Stability Improvement of Pulse Power Supply With Dual-Inductance Active Storage Unit Using Hysteresis Current Control. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2021, 11, 111-120.	3.6	9
13	Cell-friendly photo-functionalized TiO ₂ nano-micro-honeycombs for selectively preventing bacteria and platelet adhesion. Materials Science and Engineering C, 2021, 123, 111996.	7.3	4
14	Highly Efficient Photocatalytic Anti-Bacterial Ag Doped Titanium Dioxide Nanofilms with Combination of Reactive Oxygen Species and Ag Ions Releasing for Application of Vascular Implants. Advanced Materials Interfaces, 2021, 8, 2100892.	3.7	3
15	Numerical Investigation on Two-Phase Flow Heat Transfer Performance and Instability with Discrete Heat Sources in Parallel Channels. Energies, 2021, 14, 4408.	3.1	6
16	Design and Optimization of the Circulatory Cell-Driven Drug Delivery Platform. Stem Cells International, 2021, 2021, 1-21.	2.5	2
17	Copper and Zinc Co-doped Titanium Dioxide Nanotubes Arrays on Controlling Nitric Oxide Releasing and Regulating the Inflammatory Responses for Cardiovascular Biomaterials. Recent Patents on Nanotechnology, 2021, 15, .	1.3	0
18	Double-Line Frequency Ripple Suppression of a Quasi-Single Stage AC-DC Converter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2074-2078.	3.0	2

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19	Low-Cycle Fatigue Crack Propagation Behavior of Cracked Steel Plates Considering Accumulative Plastic Strain. <i>International Journal of Steel Structures</i> , 2020, 20, 538-547.	1.3	6
20	Chemical Constituents of <i>Litsea szemaonis</i> . <i>Chemistry of Natural Compounds</i> , 2020, 56, 942-944.	0.8	1
21	Peat Properties and Holocene Carbon and Nitrogen Accumulation Rates in a Peatland in the Xinjiang Altai Mountains, Northwestern China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005615.	3.0	3
22	The co-deposition coating of collagen IV and laminin on hyaluronic acid pattern for better biocompatibility on cardiovascular biomaterials. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 196, 111307.	5.0	11
23	Obesity induces preadipocyte CD36 expression promoting inflammation via the disruption of lysosomal calcium homeostasis and lysosome function. <i>EBioMedicine</i> , 2020, 56, 102797.	6.1	31
24	Adaptive on Time Controlled Double-Line- Frequency Ripple Suppressor With Fast Dynamic Response and High Efficiency. <i>IEEE Access</i> , 2020, 8, 179692-179701.	4.2	2
25	The self-organized differentiation from MSCs into SMCs with manipulated micro/Nano two-scale arrays on TiO ₂ surfaces for biomimetic construction of vascular endothelial substratum. <i>Materials Science and Engineering C</i> , 2020, 116, 111179.	7.3	7
26	Photofunctionalized and Drug-Loaded TiO ₂ Nanotubes with Improved Vascular Biocompatibility as a Potential Material for Polymer-Free Drug-Eluting Stents. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 2038-2049.	5.2	12
27	Confinement Effect of Graphene Interface on Phase Transition of <i>n</i> -Eicosane: Molecular Dynamics Simulations. <i>Langmuir</i> , 2020, 36, 8422-8434.	3.5	10
28	An Injectable Nanocomposite Hydrogel for Potential Application of Vascularization and Tissue Repair. <i>Annals of Biomedical Engineering</i> , 2020, 48, 1511-1523.	2.5	39
29	Loss of CD36 impairs hepatic insulin signaling by enhancing the interaction of PTP1B with IR. <i>FASEB Journal</i> , 2020, 34, 5658-5672.	0.5	19
30	A High Efficiency LCC-S Compensated WPT System With Dual Decoupled Receive Coils and Cascaded PWM Regulator. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 3142-3146.	3.0	23
31	Blockade of JAK2 protects mice against hypoxia-induced pulmonary arterial hypertension by repressing pulmonary arterial smooth muscle cell proliferation. <i>Cell Proliferation</i> , 2020, 53, e12742.	5.3	56
32	Polydopamine-Modified Copper-Doped Titanium Dioxide Nanotube Arrays for Copper-Catalyzed Controlled Endogenous Nitric Oxide Release and Improved Re-Endothelialization. <i>ACS Applied Bio Materials</i> , 2020, 3, 3123-3136.	4.6	10
33	Synthesis and Analysis of Power Management Units for IoT Applications. , 2020, , .		1
34	DC Solid State Circuit Breaker Based On GaN. , 2020, , .		4
35	Research on Power Electronic Transformers Based on Virtual Synchronous Machine Control. , 2020, , .		0
36	Withdrawal Notice: Circulatory Cells as Tumortropic Carrier for Targetability Improvement. <i>Current Drug Delivery</i> , 2020, 17, .	1.6	0

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37	Evaluation and Suppression of a Low-Frequency Output Voltage Ripple of a Single-Stage AC-DC Converter Based on an Output Impedance Model. IEEE Transactions on Industrial Electronics, 2019, 66, 2803-2813.	7.9	19
38	Research on Parallel Operation of Virtual Synchronous Generators in Microgrid. , 2019, , .		2
39	A Finite Control Set Model Predictive Current Control Scheme for Five-phase PMSMs Based on Optimized Duty Ratio. , 2019, , .		3
40	Effects of biomimetic micropattern on titanium deposited with PDA/Cu and nitric oxide release on behaviors of ECs. Journal of Materials Research, 2019, 34, 2037-2046.	2.6	6
41	An injectable scaffold based on temperature-responsive hydrogel and factor-loaded nanoparticles for application in vascularization in tissue engineering. Journal of Biomedical Materials Research - Part A, 2019, 107, 2123-2134.	4.0	28
42	Hyaluronic Acid Nanoparticle Composite Films Confer Favorable Time-Dependent Biofunctions for Vascular Wound Healing. ACS Biomaterials Science and Engineering, 2019, 5, 1833-1848.	5.2	21
43	Immobilization of nano Cu-MOFs with polydopamine coating for adaptable gasotransmitter generation and copper ion delivery on cardiovascular stents. Biomaterials, 2019, 204, 36-45.	11.4	104
44	Decoupling of Airborne Dynamic Bending Deformation Angle and Its Application in the High-Accuracy Transfer Alignment Process. Sensors, 2019, 19, 214.	3.8	4
45	DCM Low Frequency Oscillation in valley V2 Controlled Boost Converter. , 2019, , .		1
46	Loss of ubiquitin-conjugating enzyme E2 (Ubc9) in macrophages exacerbates multiple low-dose streptozotocin-induced diabetes by attenuating M2 macrophage polarization. Cell Death and Disease, 2019, 10, 892.	6.3	44
47	Research On Sychronverter-based Regenerative Braking Energy Feedback System of Urban rail Trains. , 2019, , .		0
48	Design of Double-Line-Frequency Ripple Controller for Quasi-Single-Stage AC-DC Converter With Audio Susceptibility Model. IEEE Transactions on Industrial Electronics, 2019, 66, 9226-9237.	7.9	13
49	Preparation of a biomimetic ECM surface on cardiovascular biomaterials via a novel layer-by-layer decellularization for better biocompatibility. Materials Science and Engineering C, 2019, 96, 509-521.	7.3	27
50	Aging and stress induced β^2 cell senescence and its implication in diabetes development. Aging, 2019, 11, 9947-9959.	3.1	33
51	Hydrogen sulphide-releasing aspirin enhances cell capabilities of anti-oxidative lesions and anti-inflammation. Medical Gas Research, 2019, 9, 145.	2.3	19
52	Stability analysis of external ramp compensation on valley V2 controlled boost converter. , 2019, , .		0
53	Current Controlled with Valley Voltage Detection Three-port Converter with Current-Pulsed Load. , 2019, , .		4
54	Simulation and Analysis of Flow Field in Sludge Anaerobic Digestion Reactor based on Computational Fluid Dynamics. International Journal of Chemical Reactor Engineering, 2018, 16, .	1.1	2

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55	A Mussel-Inspired Facile Method to Prepare Multilayer-AgNP-Loaded Contact Lens for Early Treatment of Bacterial and Fungal Keratitis. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1568-1579.	5.2	32
56	Discrete-Time Modeling and Stability Analysis of Peak-Current-Mode Controlled Buck Converter with Constant Current Load. , 2018, , .		0
57	Mechanical Property of TiO ₂ Nano-Tubes Surface Based on the Investigation of Residual Stress, Tensile Force and Fluid Flow Shear Stress: For Potential Application of Cardiovascular Devices. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 798-804.	0.9	9
58	Biomimetic GelMPC Micropatterns on Titanium and Their Effects on Platelets and Endothelialization. <i>Advanced Engineering Materials</i> , 2018, 20, 1800624.	3.5	6
59	Micropatterned immobilization of membrane-mimicking polymer and peptides for regulation of cell behaviors <i>in vitro</i> . <i>RSC Advances</i> , 2018, 8, 20836-20850.	3.6	7
60	Sumoylation Modulates the Susceptibility to Type 1 Diabetes. <i>Advances in Experimental Medicine and Biology</i> , 2017, 963, 299-322.	1.6	18
61	Role of C/EBP homologous protein and endoplasmic reticulum stress in asthma exacerbation by regulating the IL-4/signal transducer and activator of transcription 6/transcription factor EC/IL-4 receptor \pm positive feedback loop in M2 macrophages. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 1550-1561.e8.	2.9	69
62	Tailoring of TiO ₂ films by H ₂ SO ₄ treatment and UV irradiation to improve anticoagulant ability and endothelial cell compatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 155, 314-322.	5.0	13
63	Cluster of Differentiation 36 Deficiency Aggravates Macrophage Infiltration and Hepatic Inflammation by Upregulating Monocyte Chemotactic Protein-1 Expression of Hepatocytes Through Histone Deacetylase 2-Dependent Pathway. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 201-214.	5.4	38
64	Controlling Molecular Weight of Hyaluronic Acid Conjugated on Amine-rich Surface: Toward Better Multifunctional Biomaterials for Cardiovascular Implants. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30343-30358.	8.0	83
65	Platelet Adhesion and Activation on Chiral Surfaces: The Influence of Protein Adsorption. <i>Langmuir</i> , 2017, 33, 10402-10410.	3.5	16
66	The Reduction in the IgE-Binding Ability of $\hat{\iota}^2$ -Lactoglobulin by Dynamic High-Pressure Microfluidization Coupled with Glycation Treatment Revealed by High-Resolution Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6179-6187.	5.2	22
67	Endoplasmic reticulum stress, a new wrestler, in the pathogenesis of idiopathic pulmonary fibrosis. <i>American Journal of Translational Research (discontinued)</i> , 2017, 9, 722-735.	0.0	26
68	Nonlinear modulation for voltage-mode controlled switching converters with fast input transient performance. , 2016, , .		0
69	Construction of a fucoidan/laminin functional multilayer to direction vascular cell fate and promotion hemocompatibility. <i>Materials Science and Engineering C</i> , 2016, 64, 236-242.	7.3	12
70	Controlling mesenchymal stem cells differentiate into contractile smooth muscle cells on a TiO ₂ micro/nano interface: Towards benign pericytes environment for endothelialization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 410-419.	5.0	33
71	Rheological Properties of Municipal Sewage Sludge: Dependency on Solid Concentration and Temperature. <i>Procedia Environmental Sciences</i> , 2016, 31, 113-121.	1.4	39
72	Loss of <i>Mbd2</i> Protects Mice Against High-Fat Diet-Induced Obesity and Insulin Resistance by Regulating the Homeostasis of Energy Storage and Expenditure. <i>Diabetes</i> , 2016, 65, 3384-3395.	0.6	34

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73	Influence of chirality on catalytic generation of nitric oxide and platelet behavior on selenocystine immobilized TiO ₂ films. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 122-129.	5.0	20
74	Investigation of enhanced hemocompatibility and tissue compatibility associated with multi-functional coating based on hyaluronic acid and Type IV collagen. <i>International Journal of Energy Production and Management</i> , 2016, 3, 149-157.	3.7	26
75	Variable Duty Cycle Control for Quadratic Boost PFC Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 4222-4232.	7.9	44
76	Multifunctional Coating Based on Hyaluronic Acid and Dopamine Conjugate for Potential Application on Surface Modification of Cardiovascular Implanted Devices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 109-121.	8.0	132
77	HMGB1 exacerbates bronchiolitis obliterans syndrome via RAGE/NF- κ B/HPSE signaling to enhance latent TGF- β 2 release from ECM. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 1971-84.	0.0	21
78	Paradoxical effect of rapamycin on inflammatory stress-induced insulin resistance in vitro and in vivo. <i>Scientific Reports</i> , 2015, 5, 14959.	3.3	14
79	Chronic inflammation aggravates metabolic disorders of hepatic fatty acids in high-fat diet-induced obese mice. <i>Scientific Reports</i> , 2015, 5, 10222.	3.3	45
80	Design and construction of TiO ₂ nanotubes in microarray using two-step anodic oxidation for application of cardiovascular implanted devices. <i>Micro and Nano Letters</i> , 2015, 10, 287-291.	1.3	24
81	Co-culture of endothelial cells and patterned smooth muscle cells on titanium: Construction with high density of endothelial cells and low density of smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 555-561.	2.1	27
82	Tailoring of the titanium surface by preparing cardiovascular endothelial extracellular matrix layer on the hyaluronic acid micro-pattern for improving biocompatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 201-210.	5.0	43
83	Constructing bio-functional layers of hyaluronan and type IV collagen on titanium surface for improving endothelialization. <i>Journal of Materials Science</i> , 2015, 50, 3226-3236.	3.7	24
84	Interaction between heparin and fibronectin: Using quartz crystal microbalance with dissipation, immunochemistry and isothermal titration calorimetry. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2015, 30, 1074-1084.	1.0	0
85	Effect of micropatterned TiO ₂ nanotubes thin film on the deposition of endothelial extracellular matrix: For the purpose of enhancing surface biocompatibility. <i>Biointerphases</i> , 2015, 10, 04A302.	1.6	22
86	Inhibiting Smooth Muscle Cell Proliferation via Immobilization of Heparin/Fibronectin Complexes on Titanium Surfaces. <i>Biomedical and Environmental Sciences</i> , 2015, 28, 378-82.	0.2	3
87	Inflammatory Stress Increases Hepatic CD36 Translational Efficiency via Activation of the mTOR Signalling Pathway. <i>PLoS ONE</i> , 2014, 9, e103071.	2.5	30
88	Voltage-mode controlled switching converter with dual-edge constant off-time modulation. , 2014, , .		2
89	Facile conjugation of heparin onto titanium surfaces via dopamine inspired coatings for improving blood compatibility. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014, 29, 832-840.	1.0	8
90	The effect of full/partial UV-irradiation of TiO ₂ films on altering the behavior of fibrinogen and platelets. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 709-718.	5.0	21

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91	A novel coating of type IV collagen and hyaluronic acid on stent material-titanium for promoting smooth muscle cell contractile phenotype. <i>Materials Science and Engineering C</i> , 2014, 38, 235-243.	7.3	52
92	Rapamycin-mediated CD36 translational suppression contributes to alleviation of hepatic steatosis. <i>Biochemical and Biophysical Research Communications</i> , 2014, 447, 57-63.	2.1	37
93	Fabrication of micro-patterned titanium dioxide nanotubes thin film and its biocompatibility. <i>Journal of Engineering</i> , 2014, 2014, 665-671.	1.1	9
94	High-efficiency two-switch tri-state buck-boost power factor correction converter with fast dynamic response and low inductor current ripple. <i>IET Power Electronics</i> , 2013, 6, 1544-1554.	2.1	48
95	Quadratic boost PFC converter with fast dynamic response and low output voltage ripple. , 2013, , .		12
96	Analysis of sensorless peak current mode controlled quadratic boost converter. , 2012, , .		3
97	A new quadratic boost converter with high voltage step-up ratio and reduced voltage stress. , 2012, , .		31
98	A single-switch high gain quadratic boost converter based on voltage-lift-technique. , 2012, , .		46
99	Tri-state boost PFC converter with high input power factor. , 2012, , .		1
100	The influence of water content on soil erosion in the desertification area of Guizhou, China. <i>Carbonates and Evaporites</i> , 2012, 27, 185-192.	1.0	9
101	Single-phase two-switch PCCM buck-boost PFC converter with fast dynamic response for universal input voltage. , 2011, , .		5
102	Photo-immobilized heparin micropatterns on TiO ₂ surface: preparation, characterization, and evaluation in vitro. <i>Journal of Materials Science</i> , 2011, 46, 6772-6782.	3.7	13
103	Synthesis and biological evaluation of 8-substituted and deglycuronidated scutellarin and baicalin analogues as antioxidant responsive element activators. <i>Science China Chemistry</i> , 2011, 54, 1565-1575.	8.2	6
104	Preparation of micro-patterned surfaces of Si-N-O films and their influence on adhesion behavior of endothelial cells. <i>Science China Technological Sciences</i> , 2010, 53, 257-263.	4.0	2
105	High-efficiency capacitive idling SEPIC PFC converter with varying reference voltage for wide range of load variations. , 2010, , .		2
106	Dead-zone digital controllers for improved dynamic response over wide load range in tri-state boost PFC converter. , 2010, , .		3
107	Theoretical calculation and experimental study of influence of oxygen vacancy on the electronic structure and hemocompatibility of rutile TiO ₂ . <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 2742-2748.	0.9	10
108	Biomedical Applications of Plasma and Ion Beam Processing. <i>Journal of the Vacuum Society of Japan</i> , 2008, 51, 81-92.	0.3	3

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109	Antithrombogenic investigation and biological behavior of cultured human umbilical vein endothelial cells on Ti-O film. Science in China Series D: Earth Sciences, 2006, 49, 20-28.	0.9	4
110	The mechanical properties of the warp-knitted mesh fabric for protective applications. Journal of the Textile Institute, 0, , 1-12.	1.9	3
111	Successional patterns of bacterial communities and their functions in shrimp aquaculture pond water across farming phases. Aquaculture Research, 0, , .	1.8	1