

Chunyong Liang

List of Publications by Year in descending order

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67
papers

1,619
citations

293460

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371746

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g-index

67
all docs

67
docs citations

67
times ranked

2490
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradable Mg-based alloys: biological implications and restorative opportunities. International Materials Reviews, 2023, 68, 365-403.	9.4	16
2	Oxygen Vacancies-Rich Heterojunction of Ti ₃ C ₂ /BiOBr for Photo-Excited Antibacterial Textiles. Small, 2022, 18, e2104448.	5.2	31
3	Improve endothelialization of metallic cardiovascular stent via femtosecond laser induced micro/nanostructure dependent cells proliferation and drug delivery control. Colloids and Surfaces B: Biointerfaces, 2022, 212, 112376.	2.5	8
4	Synergistic Effect of Co-Delivering Ciprofloxacin and Tetracycline Hydrochloride for Promoted Wound Healing by Utilizing Coaxial PCL/Gelatin Nanofiber Membrane. International Journal of Molecular Sciences, 2022, 23, 1895.	1.8	28
5	Carbon Nanotube-Modified Nickel Hydroxide as Cathode Materials for High-Performance Li-S Batteries. Nanomaterials, 2022, 12, 886.	1.9	3
6	Animal Models of Femur Head Necrosis for Tissue Engineering and Biomaterials Research. Tissue Engineering - Part C: Methods, 2022, , .	1.1	1
7	Antibacterial Vancomycin@ZIF-8 Loaded PVA Nanofiber Membrane for Infected Bone Repair. International Journal of Molecular Sciences, 2022, 23, 5629.	1.8	9
8	MXene Quantum Dot/Zeolitic Imidazolate Framework Nanocarriers for Dual Stimulus Triggered Tumor Chemo-Phototherapy. Materials, 2022, 15, 4543.	1.3	12
9	Structure design and biological evaluation of the mechanical-adaptive titanium-based porous implants. Materials Technology, 2021, 36, 851-856.	1.5	8
10	3D MXene microspheres with honeycomb architecture for tumor photothermal/photodynamic/chemo combination therapy. Nanotechnology, 2021, 32, 195701.	1.3	14
11	Thermosensitive -hydrogel-coated titania nanotubes with controlled drug release and immunoregulatory characteristics for orthopedic applications. Materials Science and Engineering C, 2021, 122, 111878.	3.8	23
12	Laser-modified Fe ³⁺ /Mn surfaces with promoted biodegradability and biocompatibility toward biological applications. Journal of Materials Science, 2021, 56, 13772-13784.	1.7	10
13	Improve the binding force of PEEK coating with Mg surface by femtosecond lasers induced micro/nanostructures. Journal of Materials Science, 2021, 56, 13313.	1.7	8
14	Development of hydrofluoric acid-cleaned silicon nitride implants for periprosthetic infection eradication and bone regeneration enhancement. Materials Science and Engineering C, 2021, 127, 112241.	3.8	10
15	Femtosecond laser-induced nanoporous layer for enhanced osteogenesis of titanium implants. Materials Science and Engineering C, 2021, 127, 112247.	3.8	12
16	Preparation of (CaY)F ₂ :Tm ³⁺ , Yb ³⁺ deposited porous TiO ₂ matrix with highly near-infrared light photocatalytic activity. Micro and Nano Letters, 2021, 16, 83-89.	0.6	1
17	Paclitaxel-loaded lignin particle encapsulated into electrospun PVA/PVP composite nanofiber for effective cervical cancer cell inhibition. Nanotechnology, 2021, 32, 015101.	1.3	21
18	Mg-Fe layered double hydroxides modified titanium enhanced the adhesion of human gingival fibroblasts through regulation of local pH level. Materials Science and Engineering C, 2021, 131, 112485.	3.8	4

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19	Self-activating anti-infection implant. <i>Nature Communications</i> , 2021, 12, 6907.	5.8	77
20	Carbon nanotube-collagen@hydroxyapatite composites with improved mechanical and biological properties fabricated by a multi in situ synthesis process. <i>Biomedical Microdevices</i> , 2020, 22, 64.	1.4	13
21	All-Purpose Electrodes: All-Purpose Electrode Design of Flexible Conductive Scaffold toward High-Performance Li-S Batteries (<i>Adv. Funct. Mater.</i> 19/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070123.	7.8	3
22	All-Purpose Electrode Design of Flexible Conductive Scaffold toward High-Performance Li-S Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2000613.	7.8	90
23	Biological and antibacterial properties of TiO ₂ coatings containing Ca/P/Ag by one-step and two-step methods. <i>Biomedical Microdevices</i> , 2020, 22, 24.	1.4	12
24	Effect of chromium, manganese and yttrium on microstructure and hydrogen storage properties of TiFe-based alloy. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 12071-12081.	3.8	50
25	Laser Polishing of Ti6Al4V Fabricated by Selective Laser Melting. <i>Metals</i> , 2020, 10, 191.	1.0	56
26	Facile Approach to Prepare rGO@Fe ₃ O ₄ Microspheres for the Magnetically Targeted and NIR-responsive Chemo-photothermal Combination Therapy. <i>Nanoscale Research Letters</i> , 2020, 15, 86.	3.1	30
27	Self-adjusting antibacterial properties of Ag-incorporated nanotubes on micro-nanostructured Ti surfaces. <i>Biomaterials Science</i> , 2019, 7, 4075-4087.	2.6	24
28	Corrosion Resistance and Biological Properties of Anatase and Rutile Coatings on a Titanium Surface. <i>Chemistry Letters</i> , 2019, 48, 1355-1357.	0.7	5
29	Biological and antibacterial properties of the micro-nanostructured hydroxyapatite/chitosan coating on titanium. <i>Scientific Reports</i> , 2019, 9, 14052.	1.6	56
30	Translation of bone wax and its substitutes: History, clinical status and future directions. <i>Journal of Orthopaedic Translation</i> , 2019, 17, 64-72.	1.9	22
31	Synthesis and Characterization of Flower-like Carbon-encapsulated Fe-C Nanoparticles for Application as Adsorbing Material. <i>Materials</i> , 2019, 12, 829.	1.3	3
32	Characterization of microstructure, hydrogen storage kinetics and thermodynamics of a melt-spun Mg ₈₆ Y ₁₀ Ni ₄ alloy. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 6728-6737.	3.8	28
33	Preparation and properties of carbon nanotube (Fe)/hydroxyapatite composite as magnetic targeted drug delivery carrier. <i>Materials Science and Engineering C</i> , 2019, 97, 222-229.	3.8	51
34	TiO ₂ nanoparticles anchored on three-dimensionally ordered macro/mesoporous carbon matrix as polysulfides TM immobilizers for high performance lithium/sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 565-572.	1.2	12
35	Confined hetero double helix structure induced by graphene nanoribbon. <i>2D Materials</i> , 2019, 6, 034001.	2.0	5
36	Graphene Oxide Hybridized nHAC/PLGA Scaffolds Facilitate the Proliferation of MC3T3-E1 Cells. <i>Nanoscale Research Letters</i> , 2018, 13, 15.	3.1	52

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37	Microstructure and Mechanical Properties of Mg/Al Clad Bars with Ni Interlayer Processed by Compound Castings and Multi-Pass Caliber Rolling. <i>Metals</i> , 2018, 8, 704.	1.0	6
38	Influence of surface structures on biocompatibility of TiO ₂ /HA coatings prepared by MAO. <i>Materials Chemistry and Physics</i> , 2018, 215, 339-345.	2.0	56
39	Three-dimensionally ordered macro/mesoporous TiO ₂ matrix to immobilize sulfur for high performance lithium/sulfur batteries. <i>Nanotechnology</i> , 2018, 29, 415401.	1.3	13
40	Preparation of Hierarchical Porous Carbon from Waterweed and Its Application in Lithium/Sulfur Batteries. <i>Energies</i> , 2018, 11, 1535.	1.6	8
41	Synthesis of Br-doped TiO ₂ hollow spheres with enhanced photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	17
42	Carbon nanotube-reinforced mesoporous hydroxyapatite composites with excellent mechanical and biological properties for bone replacement material application. <i>Materials Science and Engineering C</i> , 2017, 77, 1078-1087.	3.8	40
43	Biological and Mechanical Effects of Micro-Nanostructured Titanium Surface on an Osteoblastic Cell Line In vitro and Osteointegration In vivo. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 280-292.	1.4	28
44	Extracting the inner wall from nested double-walled carbon nanotube by platinum nanowire: molecular dynamics simulations. <i>RSC Advances</i> , 2017, 7, 39480-39489.	1.7	6
45	Corrosion resistance and biological properties of a micro-nano structured Ti surface consisting of TiO ₂ and hydroxyapatite. <i>RSC Advances</i> , 2017, 7, 33285-33292.	1.7	13
46	Near infrared ray to ultraviolet up-conversion luminescence of Tm ³⁺ /Yb ³⁺ co-doped (CaY)F ₂ nanocrystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12290-12296.	1.1	5
47	Biomass Derived Nitrogen-Doped Highly Porous Carbon Material with a Hierarchical Porous Structure for High-Performance Lithium/Sulfur Batteries. <i>Materials</i> , 2017, 10, 1158.	1.3	30
48	Biomimetic cardiovascular stents for in vivo re-endothelialization. <i>Biomaterials</i> , 2016, 103, 170-182.	5.7	86
49	The Ultrastructures and Mechanical Properties of the Descemet's Membrane in Fuchs Endothelial Corneal Dystrophy. <i>Scientific Reports</i> , 2016, 6, 23096.	1.6	32
50	Corrosion resistance and mechanical properties of titanium with hierarchical micro-nanostructure. <i>Materials Letters</i> , 2016, 182, 43-46.	1.3	31
51	Fabrication and Properties of Carbon-Encapsulated Cobalt Nanoparticles over NaCl by CVD. <i>Nanoscale Research Letters</i> , 2016, 11, 432.	3.1	28
52	Super flexibility and stability of graphene nanoribbons under severe twist. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18406-18413.	1.3	21
53	Formation mechanism and adhesive strength of a hydroxyapatite/TiO ₂ composite coating on a titanium surface prepared by micro-arc oxidation. <i>Applied Surface Science</i> , 2016, 362, 109-114.	3.1	87
54	The strain induced band gap modulation from narrow gap semiconductor to half-metal on Ti ₂ CrGe: A first principles study. <i>AIP Advances</i> , 2015, 5, 117225.	0.6	4

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55	Biological properties of nanostructured Ti incorporated with Ca, P and Ag by electrochemical method. <i>Materials Science and Engineering C</i> , 2015, 51, 80-86.	3.8	23
56	Femtosecond laser induced micropatterns and in-situ deposition of Ca/P phase and collagen on Ti surface. <i>Materials Chemistry and Physics</i> , 2015, 158, 115-120.	2.0	6
57	Influence of nanostructures on the biological properties of Ti implants after anodic oxidation. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 199-205.	1.7	27
58	Preparation of Hydrophobic and Oleophilic Surface of 316L Stainless Steel by Femtosecond Laser Irradiation in Water. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 1345-1350.	1.3	12
59	Mechanism for direct graphite-to-diamond phase transition. <i>Scientific Reports</i> , 2014, 4, 5930.	1.6	52
60	Femtosecond Laser-Induced Micropattern and Ca/P Deposition on Ti Implant Surface and Its Acceleration on Early Osseointegration. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 8179-8186.	4.0	68
61	Organic Nanocrystals: Atomically Flat, Large-Sized, Two-Dimensional Organic Nanocrystals (Small) Tj ETQq1 1 0,784314 rgBT /Overl 5,2 3	5.2	3
62	Anodic Oxidation Modification Improve Bioactivity and Biocompatibility of Titanium Implant Surface. <i>Journal of Hard Tissue Biology</i> , 2013, 22, 351-358.	0.2	12
63	Bioactivities of a Ti surface ablated with a femtosecond laser through SBF. <i>Biomedical Materials (Bristol)</i> , 2010, 5, 054115.	1.7	21
64	Effects of femtosecond laser ablation on the surface morphology and microstructure of a bulk TiCuPdZr glass alloy. <i>Rare Metals</i> , 2009, 28, 272-276.	3.6	2
65	Surface microstructuring of Ti plates by femtosecond lasers in liquid ambiances: a new approach to improving biocompatibility. <i>Optics Express</i> , 2009, 17, 21124.	1.7	48
66	Fusion of biocompatible Ca/P elements with implantable metals by femtosecond laser microstructuring in liquids. , 2009, , .		0
67	Sub-wavelength surface structuring of NiTi alloy by femtosecond laser pulses. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 635-642.	1.1	26