Sheng-Li Zhu

List of Publications by Citations

353 papers	9,600 citations	50 h-index	78 g-index
366 ext. papers	12,726 ext. citations	7.4 avg, IF	6.64 L-index

#	Paper	IF	Citations
353	Amorphous Metallic NiFeP: A Conductive Bulk Material Achieving High Activity for Oxygen Evolution Reaction in Both Alkaline and Acidic Media. *Advanced Materials*, **2017**, 29, 1606570	24	320
352	Rapid Biofilm Eradication on Bone Implants Using Red Phosphorus and Near-Infrared Light. *Advanced Materials*, **2018**, 30, e1801808	24	256
351	Repeatable Photodynamic Therapy with Triggered Signaling Pathways of Fibroblast Cell Proliferation and Differentiation To Promote Bacteria-Accompanied Wound Healing. *ACS Nano*, **2018**, 12, 1747-1759	16.7	209
350	Zinc-doped Prussian blue enhances photothermal clearance of Staphylococcus aureus and promotes tissue repair in infected wounds. *Nature Communications*, **2019**, 10, 4490	17.4	170
349	Tuning the Bandgap of Photo-Sensitive Polydopamine/AgPO/Graphene Oxide Coating for Rapid, Noninvasive Disinfection of Implants. *ACS Central Science*, **2018**, 4, 724-738	16.8	168
348	A new Ti-based bulk glassy alloy with potential for biomedical application. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 459, 233-237	5.3	155
347	Highly Effective and Noninvasive Near-Infrared Eradication of a Biofilm on Implants by a Photoresponsive Coating within 20 Min. *Advanced Science*, **2019**, 6, 1900599	13.6	142
346	Enhanced photocatalytic activity and photothermal effects of cu-doped metal-organic frameworks for rapid treatment of bacteria-infected wounds. *Applied Catalysis B: Environmental*, **2020**, 261, 118248	21.8	140
345	Study on corrosion properties of pipelines in simulated produced water saturated with supercritical CO2. *Applied Surface Science*, **2006**, 252, 2368-2374	6.7	127
344	Glass-forming ability and mechanical properties of Ti-based bulk glassy alloys with large diameters of up to 1 cm. *Intermetallics*, **2008**, 16, 1031-1035	3.5	115
343	Controlled-temperature photothermal and oxidative bacteria killing and acceleration of wound healing by polydopamine-assisted Au-hydroxyapatite nanorods. *Acta Biomaterialia*, **2018**, 77, 352-364	10.8	111
342	Silver nanoparticles supported on TiO2 nanotubes as active catalysts for ethanol oxidation. *Journal of Catalysis*, **2011**, 278, 276-287	7.3	108
341	Synthesis of Cu2O Octadecahedron/TiO2 Quantum Dot Heterojunctions with High Visible Light Photocatalytic Activity and High Stability. *ACS Applied Materials & Interfaces*, **2016**, 8, 91-101	9.5	107
340	Rapid and Superior Bacteria Killing of Carbon Quantum Dots/ZnO Decorated Injectable Folic Acid-Conjugated PDA Hydrogel through Dual-Light Triggered ROS and Membrane Permeability. *Small*, **2019**, 15, e1900322	11	105
339	Design of a highly sensitive ethanol sensor using a nano-coaxial p-Co3O4/n-TiO2 heterojunction synthesized at low temperature. *Nanoscale*, **2013**, 5, 10916-26	7.7	105
338	Rapid Photo-Sonotherapy for Clinical Treatment of Bacterial Infected Bone Implants by Creating Oxygen Deficiency Using Sulfur Doping. *ACS Nano*, **2020**, 14, 2077-2089	16.7	98
337	The recent progress on metal-organic frameworks for phototherapy. *Chemical Society Reviews*, **2021**, 50, 5086-5125	58.5	96

336	Nano Ag/ZnO-Incorporated Hydroxyapatite Composite Coatings: Highly Effective Infection Prevention and Excellent Osteointegration. *ACS Applied Materials & Interfaces*, **2018**, 10, 1266-1277	9.5	96
335	Nanoporous CuS with excellent photocatalytic property. *Scientific Reports*, **2015**, 5, 18125	4.9	93
334	Local Photothermal/Photodynamic Synergistic Therapy by Disrupting Bacterial Membrane To Accelerate Reactive Oxygen Species Permeation and Protein Leakage. *ACS Applied Materials & Interfaces*, **2019**, 11, 17902-17914	9.5	88
333	Nanoporous Palladium Hydride for Electrocatalytic N Reduction under Ambient Conditions. *Angewandte Chemie - International Edition*, **2020**, 59, 3511-3516	16.4	88
332	Stress□train behavior of porous NiTi alloys prepared by powders sintering. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2005**, 408, 264-268	5.3	87
331	Synthesis of three-dimensionally ordered macroporous LaFeO3 with enhanced methanol gas sensing properties. *Sensors and Actuators B: Chemical*, **2015**, 209, 706-713	8.5	86
330	Study on the formation of an apatite layer on NiTi shape memory alloy using a chemical treatment method. *Surface and Coatings Technology*, **2003**, 173, 229-234	4.4	82
329	Interfacial engineering of BiS/TiCT MXene based on work function for rapid photo-excited bacteria-killing. *Nature Communications*, **2021**, 12, 1224	17.4	82
328	Incorporation of silver and strontium in hydroxyapatite coating on titanium surface for enhanced antibacterial and biological properties. *Materials Science and Engineering C*, **2017**, 71, 852-861	8.3	81
327	Characterization of the surface film formed from carbon dioxide corrosion on N80 steel. *Materials Letters*, **2004**, 58, 1076-1081	3.3	81
326	Eradicating Multidrug-Resistant Bacteria Rapidly Using a Multi Functional g-C3N4@ Bi2S3 Nanorod Heterojunction with or without Antibiotics. *Advanced Functional Materials*, **2019**, 29, 1900946	15.6	79
325	Treatment of MRSA-infected osteomyelitis using bacterial capturing, magnetically targeted composites with microwave-assisted bacterial killing. *Nature Communications*, **2020**, 11, 4446	17.4	79
324	Defect enhances photocatalytic activity of ultrathin TiO2 (B) nanosheets for hydrogen production by plasma engraving method. *Applied Catalysis B: Environmental*, **2018**, 230, 11-17	21.8	78
323	Rapid bacteria trapping and killing of metal-organic frameworks strengthened photo-responsive hydrogel for rapid tissue repair of bacterial infected wounds. *Chemical Engineering Journal*, **2020**, 396, 125194	14.7	77
322	A nanoporous metal phosphide catalyst for bifunctional water splitting. *Journal of Materials Chemistry A*, **2018**, 6, 5574-5579	13	76
321	Strontium incorporation to optimize the antibacterial and biological characteristics of silver-substituted hydroxyapatite coating. *Materials Science and Engineering C*, **2016**, 58, 467-77	8.3	73
320	The enhanced photocatalytic properties of MnO/g-CN heterostructure for rapid sterilization under visible light. *Journal of Hazardous Materials*, **2019**, 377, 227-236	12.8	73
319	Processing of porous TiNi shape memory alloy from elemental powders by Ar-sintering. *Materials Letters*, **2004**, 58, 2369-2373	3.3	73

318	Near-Infrared Light Triggered Phototherapy and Immunotherapy for Elimination of Methicillin-Resistant Biofilm Infection on Bone Implant. *ACS Nano*, **2020**, 14, 8157-8170	16.7	67
317	Synthesis and properties of morphology controllable copper sulphide nanosheets for supercapacitor application. *Electrochimica Acta*, **2016**, 211, 891-899	6.7	67
316	Dual Metal-Organic Framework Heterointerface. *ACS Central Science*, **2019**, 5, 1591-1601	16.8	65
315	Effect of Zr on super-elasticity and mechanical properties of Ti□24at% Nb(0, 2, 4)at% Zr alloy subjected to aging treatment. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2012**, 536, 197-206	5.3	64
314	Microstructure and wear performance of gradient Ti/TiN metal matrix composite coating synthesized using a gas nitriding technology. *Surface and Coatings Technology*, **2005**, 190, 309-313	4.4	64
313	EIS study of the surface film on the surface of carbon steel from supercritical carbon dioxide corrosion. *Applied Surface Science*, **2004**, 228, 17-25	6.7	63
312	Pd coated MoS 2 nanoflowers for highly efficient hydrogen evolution reaction under irradiation. *Journal of Power Sources*, **2015**, 284, 68-76	8.9	61
311	Rapid and Highly Effective Noninvasive Disinfection by Hybrid Ag/CS@MnO Nanosheets Using Near-Infrared Light. *ACS Applied Materials & Interfaces*, **2019**, 11, 15014-15027	9.5	59
310	Controlled release behaviour and antibacterial effects of antibiotic-loaded titania nanotubes. *Materials Science and Engineering C*, **2016**, 62, 105-12	8.3	58
309	Synthesis and properties of nanoporous Ag2S/CuS catalyst for hydrogen evolution reaction. *Electrochimica Acta*, **2016**, 190, 221-228	6.7	58
308	Visible light responsive CuS/ protonated g-CN heterostructure for rapid sterilization. *Journal of Hazardous Materials*, **2020**, 393, 122423	12.8	57
307	Excellent soft magnetic Fe-Co-B-based amorphous alloys with extremely high saturation magnetization above 1.85 T and low coercivity below 3 A/m. *Journal of Alloys and Compounds*, **2017**, 711, 132-142	5.7	52
306	Preparation of copper-coated □SiC nanoparticles by electroless plating. *Surface and Coatings Technology*, **2011**, 205, 2985-2988	4.4	51
305	Corrosion behavior of oil tube steels under conditions of multiphase flow saturated with super-critical carbon dioxide. *Materials Letters*, **2004**, 58, 1035-1040	3.3	51
304	Superimposed surface plasma resonance effect enhanced the near-infrared photocatalytic activity of Au@BiWO coating for rapid bacterial killing. *Journal of Hazardous Materials*, **2019**, 380, 120818	12.8	50
303	Ni-free Ti-based bulk metallic glass with potential for biomedical applications produced by spark plasma sintering. *Intermetallics*, **2012**, 29, 99-103	3.5	50
302	Photoresponsive Materials for Antibacterial Applications. *Cell Reports Physical Science*, **2020**, 1, 100245	6.1	50
301	AgPO decorated black urchin-like defective TiO for rapid and long-term bacteria-killing under visible light. *Bioactive Materials*, **2021**, 6, 1575-1587	16.7	50

300	An amorphous nanoporous PdCuNi-S hybrid electrocatalyst for highly efficient hydrogen production. *Applied Catalysis B: Environmental*, **2019**, 246, 156-165	21.8	49
299	Lysozyme-Assisted Photothermal Eradication of Methicillin-Resistant Infection and Accelerated Tissue Repair with Natural Melanosome Nanostructures. *ACS Nano*, **2019**, 13, 11153-11167	16.7	49
298	Soft magnetic Fe-Co-based amorphous alloys with extremely high saturation magnetization exceeding 1.9 T and low coercivity of 2 A/m. *Journal of Alloys and Compounds*, **2017**, 723, 376-384	5.7	49
297	Enhanced photocatalytic and photothermal properties of ecofriendly metal-organic framework heterojunction for rapid sterilization. *Chemical Engineering Journal*, **2021**, 405, 126730	14.7	49
296	Light-Activated Rapid Disinfection by Accelerated Charge Transfer in Red Phosphorus/ZnO Heterointerface. *Small Methods*, **2019**, 3, 1900048	12.8	48
295	Photothermy-strengthened photocatalytic activity of polydopamine-modified metal-organic frameworks for rapid therapy of bacteria-infected wounds. *Journal of Materials Science and Technology*, **2021**, 62, 83-95	9.1	48
294	Synthesis, characterization and the formation mechanism of magnesium- and strontium-substituted hydroxyapatite. *Journal of Materials Chemistry B*, **2015**, 3, 3738-3746	7.3	47
293	A highly efficient electrocatalyst based on amorphous PdCuS material for hydrogen evolution reaction. *Journal of Materials Chemistry A*, **2017**, 5, 18793-18800	13	47
292	New TiZrCuPd Quaternary Bulk Glassy Alloys with Potential of Biomedical Applications. *Materials Transactions*, **2007**, 48, 2445-2448	1.3	45
291	Rapid Biofilm Elimination on Bone Implants Using Near-Infrared-Activated Inorganic Semiconductor Heterostructures. *Advanced Healthcare Materials*, **2019**, 8, e1900835	10.1	44
290	Three-dimensionally ordered macroporous La 1x Mg x FeO 3 as high performance gas sensor to methanol. *Journal of Alloys and Compounds*, **2015**, 635, 194-202	5.7	44
289	Ag22 Heterostructure for Rapid Bacteria-Killing Using Near-Infrared Light. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 14982-14990	8.3	44
288	In-situ sulfuration of Cu-based metal-organic framework for rapid near-infrared light sterilization. *Journal of Hazardous Materials*, **2020**, 390, 122126	12.8	43
287	Ti oxide nano-porous surface structure prepared by dealloying of TiCu amorphous alloy. *Electrochemistry Communications*, **2011**, 13, 250-253	5.1	43
286	Free-standing amorphous nanoporous nickel cobalt phosphide prepared by electrochemically delloying process as a high performance energy storage electrode material. *Energy Storage Materials*, **2019**, 17, 300-308	19.4	41
285	Synthesis of nanoporous CuO/TiO2/Pd-NiO composite catalysts by chemical dealloying and their performance for methanol and ethanol electro-oxidation. *Journal of Power Sources*, **2017**, 362, 10-19	8.9	41
284	Corrosion Behavior of a Ti-Based Bulk Metallic Glass and Its Crystalline Alloys. *Materials Transactions*, **2007**, 48, 1855-1858	1.3	41
283	Fabrication and Corrosion Property of Novel Ti-Based Bulk Glassy Alloys without Ni. *Materials Transactions*, **2007**, 48, 515-518	1.3	41

282	Ultrasonic Interfacial Engineering of Red Phosphorous-Metal for Eradicating MRSA Infection Effectively. *Advanced Materials*, **2021**, 33, e2006047	24	41
281	MoO2-CoO coupled with a macroporous carbon hybrid electrocatalyst for highly efficient oxygen evolution. *Nanoscale*, **2015**, 7, 16704-14	7.7	40
280	AgBr Nanoparticles in Situ Growth on 2D MoS Nanosheets for Rapid Bacteria-Killing and Photodisinfection. *ACS Applied Materials & Interfaces*, **2019**, 11, 34364-34375	9.5	39
279	Production methods and properties of engineering glassy alloys and composites. *Intermetallics*, **2015**, 58, 20-30	3.5	39
278	Extraordinary Supercapacitor Performance of a Multicomponent and Mixed-Valence Oxyhydroxide. *Angewandte Chemie - International Edition*, **2015**, 54, 8100-4	16.4	39
277	Near-infrared light photocatalysis and photothermy of carbon quantum dots and au nanoparticles loaded titania nanotube array. *Materials and Design*, **2019**, 177, 107845	8.1	38
276	A Z-scheme heterojunction of ZnO/CDots/C3N4 for strengthened photoresponsive bacteria-killing and acceleration of wound healing. *Journal of Materials Science and Technology*, **2020**, 57, 1-11	9.1	38
275	Ce and Er Co-doped TiO for rapid bacteria- killing using visible light. *Bioactive Materials*, **2020**, 5, 201-209	16.7	37
274	Corrosion behavior and mechanical properties of Mg□Zn□Ca amorphous alloys. *Intermetallics*, **2013**, 42, 9-13	3.5	37
273	Single-Atom Catalysis for Efficient Sonodynamic Therapy of Methicillin-Resistant -Infected Osteomyelitis. *ACS Nano*, **2021**, 15, 10628-10639	16.7	37
272	Designing Highly Efficient and Long-Term Durable Electrocatalyst for Oxygen Evolution by Coupling B and P into Amorphous Porous NiFe-Based Material. *Small*, **2019**, 15, e1901020	11	36
271	3D microporous Co3O4-carbon hybrids biotemplated from butterfly wings as high performance VOCs gas sensor. *Sensors and Actuators B: Chemical*, **2016**, 235, 420-431	8.5	36
270	2D MOF Periodontitis Photodynamic Ion Therapy. *Journal of the American Chemical Society*, **2021**, 143, 15427-15439	16.4	36
269	FeCo-based soft magnetic alloys with high Bs approaching 1.75 T and good bending ductility. *Journal of Alloys and Compounds*, **2017**, 691, 364-368	5.7	34
268	Influence of Zr content on phase transformation, microstructure and mechanical properties of Ti75□Nb25Zrx (x=0□) alloys. *Journal of Alloys and Compounds*, **2009**, 486, 628-632	5.7	34
267	Engineered probiotics biofilm enhances osseointegration via immunoregulation and anti-infection. *Science Advances*, **2020**, 6,	14.3	34
266	Rapid Sterilization by Photocatalytic Ag3PO4/□Fe2O3 Composites Using Visible Light. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 2577-2585	8.3	33
265	Synthesis of CuO/Co3O4Coaxial Heterostructures for Efficient and Recycling Photodegradation. *International Journal of Photoenergy*, **2015**, 2015, 1-11	2.1	33

264	High entropy effect on structure and properties of (Fe,Co,Ni,Cr)-B amorphous alloys. *Journal of Alloys and Compounds*, **2017**, 696, 345-352	5.7	32
263	Corrosion behaviour of porous Ni-free Ti-based bulk metallic glass produced by spark plasma sintering in Hanks solution. *Intermetallics*, **2014**, 44, 55-59	3.5	32
262	Modulation of the mechanosensing of mesenchymal stem cells by laser-induced patterning for the acceleration of tissue reconstruction through the Wnt/β-catenin signaling pathway activation. *Acta Biomaterialia*, **2020**, 101, 152-167	10.8	32
261	Eco-friendly Hybrids of Carbon Quantum Dots Modified MoS2 for Rapid Microbial Inactivation by Strengthened Photocatalysis. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 534-542	8.3	32
260	Nanocrystallization, good soft magnetic properties and ultrahigh mechanical strength for Fe82-85B13-16Si1Cu1 amorphous alloys. *Journal of Alloys and Compounds*, **2019**, 785, 25-37	5.7	32
259	A Bi2Te3@CoNiMo composite as a high performance bifunctional catalyst for hydrogen and oxygen evolution reactions. *Journal of Materials Chemistry A*, **2015**, 3, 22770-22780	13	31
258	Ag2S decorated nanocubes with enhanced near-infrared photothermal and photodynamic properties for rapid sterilization. *Colloids and Interface Science Communications*, **2019**, 33, 100201	5.4	31
257	Preparation of nickel-coated graphite by electroless plating under mechanical or ultrasonic agitation. *Surface and Coatings Technology*, **2014**, 240, 425-431	4.4	31
256	An UV to NIR-driven platform based on red phosphorus/graphene oxide film for rapid microbial inactivation. *Chemical Engineering Journal*, **2020**, 383, 123088	14.7	31
255	The rapid photoresponsive bacteria-killing of Cu-doped MoS. *Biomaterials Science*, **2020**, 8, 4216-4224	7.4	30
254	Overcoming Multidrug-Resistant MRSA Using Conventional Aminoglycoside Antibiotics. *Advanced Science*, **2020**, 7, 1902070	13.6	30
253	Formation, thermal stability and mechanical properties of high entropy (Fe,Co,Ni,Cr,Mo)-B amorphous alloys. *Journal of Alloys and Compounds*, **2018**, 732, 637-645	5.7	30
252	Recent Progress in Ti-Based Metallic Glasses for Application as Biomaterials. *Materials Transactions*, **2013**, 54, 1314-1323	1.3	30
251	An Engineered Pseudo-Macrophage for Rapid Treatment of Bacteria-Infected Osteomyelitis via Microwave-Excited Anti-Infection and Immunoregulation. *Advanced Materials*, **2021**, 33, e2102926	24	30
250	NiP nanoflakes for the high-performing urea oxidation reaction: linking active sites to a UOR mechanism. *Nanoscale*, **2021**, 13, 1759-1769	7.7	30
249	Syntheses and corrosion behaviors of Fe-based amorphous soft magnetic alloys with high-saturation magnetization near 1.7 T. *Journal of Materials Research*, **2015**, 30, 547-555	2.5	29
248	Effect of porous NiTi alloy on bone formation: A comparative investigation with bulk NiTi alloy for 15 weeks in vivo. *Materials Science and Engineering C*, **2008**, 28, 1271-1275	8.3	29
247	Glass-Forming Ability and Thermal Stability of Ti–Zr–Cu–Pd–Si Bulk Glassy Alloys for Biomedical Applications. *Materials Transactions*, **2007**, 48, 163-166	1.3	29

246	Development and application of Fe-based soft magnetic bulk metallic glassy inductors. *Journal of Alloys and Compounds*, **2018**, 731, 1303-1309	5.7	28
245	Surface modification by gas nitriding for improving cavitation erosion resistance of CP-Ti. *Applied Surface Science*, **2014**, 298, 164-170	6.7	28
244	Development and Applications of Highly Functional Al-based Materials by Use of Metastable Phases. *Materials Research*, **2015**, 18, 1414-1425	1.5	28
243	Soluble interleukin-6 receptor is elevated during influenza A virus infection and mediates the IL-6 and IL-32 inflammatory cytokine burst. *Cellular and Molecular Immunology*, **2015**, 12, 633-44	15.4	28
242	Formation of bonelike apatite–collagen composite coating on the surface of NiTi shape memory alloy. *Scripta Materialia*, **2006**, 54, 89-92	5.6	28
241	Two-Dimensional Lamellar MoC for Electrochemical Hydrogen Production: Insights into the Origin of Hydrogen Evolution Reaction Activity in Acidic and Alkaline Electrolytes. *ACS Applied Materials & Interfaces*, **2018**, 10, 40500-40508	9.5	28
240	Pd-loaded In2O3 nanowire-like network synthesized using carbon nanotube templates for enhancing NO2 sensing performance. *RSC Advances*, **2015**, 5, 30038-30045	3.7	27
239	Photoelectric-Responsive Extracellular Matrix for Bone Engineering. *ACS Nano*, **2019**, 13, 13581-13594	16.7	27
238	The nucleocapsid protein of SARS-associated coronavirus inhibits B23 phosphorylation. *Biochemical and Biophysical Research Communications*, **2008**, 369, 287-91	3.4	27
237	Na+ inserted metal-organic framework for rapid therapy of bacteria-infected osteomyelitis through microwave strengthened Fenton reaction and thermal effects. *Nano Today*, **2021**, 37, 101090	17.9	27
236	Near-infrared light controlled fast self-healing protective coating on magnesium alloy. *Corrosion Science*, **2020**, 163, 108257	6.8	27
235	Self-supported NiSe@NiFe layered double hydroxide bifunctional electrocatalyst for overall water splitting. *Journal of Colloid and Interface Science*, **2021**, 587, 79-89	9.3	27
234	Recent Progress in Photocatalytic Antibacterial.. *ACS Applied Bio Materials*, **2021**, 4, 3909-3936	4.1	27
233	Effect of Minor Sn Additions on the Formation and Properties of TiCuZrPd Bulk Glassy Alloy. *Materials Transactions*, **2012**, 53, 500-503	1.3	26
232	Formation, stability and ultrahigh strength of novel nanostructured alloys by partial crystallization of high-entropy (Fe0.25Co0.25Ni0.25Cr0.125Mo0.125)86-89B11-14 amorphous phase. *Acta Materialia*, **2019**, 170, 50-61	8.4	25
231	Design and synthesis of MWNTs-TiO 2 nanotube hybrid electrode and its supercapacitance performance. *Journal of Power Sources*, **2015**, 283, 397-407	8.9	25
230	New Fe-based soft magnetic amorphous alloys with high saturation magnetization and good corrosion resistance for dust core application. *Intermetallics*, **2016**, 76, 18-25	3.5	25
229	Improving the biocompatibility of NiTi alloy by chemical treatments: An in vitro evaluation in 3T3 human fibroblast cell. *Materials Science and Engineering C*, **2008**, 28, 1117-1122	8.3	25

228	Corrosion Behavior of Ti-Based Metallic Glasses. *Materials Transactions*, **2006**, 47, 1934-1937	1.3	25
227	Effect of gas nitriding treatment on cavitation erosion behavior of commercially pure Ti and Ti–6Al–4V alloy. *Surface and Coatings Technology*, **2013**, 221, 29-36	4.4	24
226	One-step synthesis of petal-like apatite/titania composite coating on a titanium by micro-arc oxidation. *Materials Letters*, **2011**, 65, 1041-1044	3.3	24
225	Formation of Ti-based bulk glassy alloy/hydroxyapatite composite. *Scripta Materialia*, **2008**, 58, 287-290	5.6	24
224	Zn-assisted photothermal therapy for rapid bacteria-killing using biodegradable humic acid encapsulated MOFs. *Colloids and Surfaces B: Biointerfaces*, **2020**, 188, 110781	6	24
223	Novel deformation-induced polymorphic crystallization and softening of Al-based amorphous alloys. *Acta Materialia*, **2018**, 147, 90-99	8.4	23
222	Characterization of self-organized TiO2 nanotubes on Ti-4Zr-22Nb-2Sn alloys and the application in drug delivery system. *Journal of Materials Science: Materials in Medicine*, **2011**, 22, 461-7	4.5	23
221	Enhancement of gas-sensing abilities in p-type ZnWO4 by local modification of Pt nanoparticles. *Analytica Chimica Acta*, **2016**, 927, 107-16	6.6	23
220	Antibacterial Hybrid Hydrogels. *Macromolecular Bioscience*, **2021**, 21, e2000252	5.5	23
219	3D Tungsten-Doped MoS2Nanostructure: A Low-Cost, Facile Prepared Catalyst for Hydrogen Evolution Reaction. *Journal of the Electrochemical Society*, **2016**, 163, H299-H304	3.9	22
218	A near infrared-activated photocatalyst based on elemental phosphorus by chemical vapor deposition. *Applied Catalysis B: Environmental*, **2019**, 258, 117980	21.8	22
217	Highly Efficient and Self-Standing Nanoporous NiO/Al3Ni2 Electrocatalyst for Hydrogen Evolution Reaction. *ACS Applied Energy Materials*, **2019**, 2, 7913-7922	6.1	22
216	Fe-based soft magnetic amorphous alloys with high saturation magnetization above 1.5 T and high corrosion resistance. *Intermetallics*, **2014**, 54, 169-175	3.5	22
215	Synthesis and catalytic properties of Pd nanoparticles loaded nanoporous TiO2 material. *Electrochimica Acta*, **2013**, 114, 35-41	6.7	22
214	Evolution of palladium/copper oxide–titanium dioxide nanostructures by dealloying and their catalytic performance for methanol electro-oxidation. *Journal of Power Sources*, **2015**, 274, 1034-1042	8.9	22
213	HCV NS4B induces apoptosis through the mitochondrial death pathway. *Virus Research*, **2012**, 169, 1-7	6.4	22
212	Al0.5TiZrPdCuNi High-Entropy (H-E) Alloy Developed through Ti20Zr20Pd20Cu20Ni20 H-E Glassy Alloy Comprising Inter-Transition Metals. *Materials Transactions*, **2013**, 54, 776-782	1.3	22
211	Formation and characterization of iron oxide nanoparticles loaded on self-organized TiO2 nanotubes. *Electrochimica Acta*, **2010**, 55, 5245-5252	6.7	22

210	Rapid bacteria capturing and killing by AgNPs/N-CD@ZnO hybrids strengthened photo-responsive xerogel for rapid healing of bacteria-infected wounds. *Chemical Engineering Journal*, **2021**, 414, 128805	14.7	22
209	In situ synthesis of a novel MnO/g-CN p-n heterostructure photocatalyst for water splitting. *Journal of Colloid and Interface Science*, **2021**, 586, 778-784	9.3	22
208	Electronic Structure Modulation of Nanoporous Cobalt Phosphide by Carbon Doping for Alkaline Hydrogen Evolution Reaction. *Advanced Functional Materials*,2107333	15.6	22
207	Peculiarities and usefulness of multicomponent bulk metallic alloys. *Journal of Alloys and Compounds*, **2017**, 707, 12-19	5.7	21
206	Self-supported Ni(OH)2/MnO2 on CFP as a flexible anode towards electrocatalytic urea conversion: The role of composition on activity, redox states and reaction dynamics. *Electrochimica Acta*, **2019**, 318, 32-41	6.7	21
205	The synergistic effect of strontium-substituted hydroxyapatite and microRNA-21 on improving bone remodeling and osseointegration. *Biomaterials Science*, **2018**, 6, 2694-2703	7.4	21
204	Improvements in the Superelasticity and Change in Deformation Mode of Type TiNb24Zr2 Alloys Caused by Aging Treatments. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2011**, 42, 2843-2849	2.3	21
203	Inducible TAP1 Negatively Regulates the Antiviral Innate Immune Response by Targeting the TAK1 Complex. *Journal of Immunology*, **2017**, 198, 3690-3704	5.3	20
202	The effects of a phytic acid/calcium ion conversion coating on the corrosion behavior and osteoinductivity of a magnesium-strontium alloy. *Applied Surface Science*, **2019**, 484, 511-523	6.7	20
201	Synthesis, characterization and biological evaluation of strontium/magnesium-co-substituted hydroxyapatite. *Journal of Biomaterials Applications*, **2016**, 31, 140-51	2.9	20
200	One-step synthesis of size-controlled Br-doped TiO2 nanoparticles with enhanced visible-light photocatalytic activity. *Materials Research Bulletin*, **2017**, 86, 248-256	5.1	20
199	Effects of Si addition on the glass-forming ability, glass transition and crystallization behaviors of Ti40Zr10Cu36Pd14 bulk glassy alloy. *Intermetallics*, **2008**, 16, 609-614	3.5	20
198	Accelerating the formation of a calcium phosphate layer on NiTi alloy by chemical treatments. *Scripta Materialia*, **2006**, 54, 1457-1462	5.6	20
197	Preparation and Properties of Nano-SiO2/Epoxy Composites Cured by Mannich Amine. *Journal of Macromolecular Science - Physics*, **2006**, 45, 811-820	1.4	20
196	Flower-like CuS/graphene oxide with photothermal and enhanced photocatalytic effect for rapid bacteria-killing using visible light. *Rare Metals*,1	5.5	20
195	One-step synthesis of Mo and S co-doped porous g-C3N4 nanosheets for efficient visible-light photocatalytic hydrogen evolution. *Applied Surface Science*, **2021**, 536, 147743	6.7	20
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