

# Sheng-Li Zhu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Optimizing the strontium content to achieve an ideal osseointegration through balancing apatite-forming ability and osteogenic activity.. <i>Materials Science and Engineering C</i> , <b>2022</b> , 112647	8.3	1
352	Photo-excited antibacterial poly( $\epsilon$ -caprolactone)@MoS <sub>2</sub> /ZnS hybrid nanofibers. <i>Chemical Engineering Journal</i> , <b>2022</b> , 434, 134764	14.7	3
351	Noble metal-based nanomaterials as antibacterial agents. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 904, 164091	5.7	11
350	The enhanced photocatalytic sterilization of MOF-Based nanohybrid for rapid and portable therapy of bacteria-infected open wounds.. <i>Bioactive Materials</i> , <b>2022</b> , 13, 200-211	16.7	7
349	Novel heating- and deformation-induced phase transitions and mechanical properties for multicomponent Zr <sub>50</sub> M <sub>50</sub> , Zr <sub>50</sub> (M,Ag) <sub>50</sub> and Zr <sub>50</sub> (M,Pd) <sub>50</sub> (M=Fe,Co,Ni,Cu) amorphous alloys. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 104, 109-118	9.1	0
348	3D N-doped mesoporous carbon/SnO <sub>2</sub> with polypyrrole coating layer as high-performance anode material for Li-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 892, 162083	5.7	4
347	Highly reversible electrochemical magnesium/lithium insertion performance in TiO <sub>2</sub> (B) nanosheet with Ti cationic vacancies. <i>Chemical Engineering Journal</i> , <b>2022</b> , 136146	14.7	1
346	Self-standing nanoporous NiPd bimetallic electrocatalysts with ultra-low Pd loading for efficient hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2022</b> , 411, 140077	6.7	1
345	Plastic Zr-Al-Ni-Cu-Ag bulk glassy alloys containing quasicrystalline or $\beta$ Zr plus $\beta$ Zr phases. <i>Acta Materialia</i> , <b>2022</b> , 229, 117812	8.4	1
344	Recent progress of photo-excited antibacterial materials via chemical vapor deposition. <i>Chemical Engineering Journal</i> , <b>2022</b> , 437, 135401	14.7	2
343	Surface photodynamic ion sterilization of ITO-Cu <sub>2</sub> O/ZnO preventing touch infection. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 122, 10-19	9.1	2
342	Simultaneously enhancing the photocatalytic and photothermal effect of NH-MIL-125-GO-Pt ternary heterojunction for rapid therapy of bacteria-infected wounds.. <i>Bioactive Materials</i> , <b>2022</b> , 18, 421-432	16.7	3
341	High-performance five-ring-fused organic semiconductors for field-effect transistors.. <i>Chemical Society Reviews</i> , <b>2022</b> ,	58.5	6
340	Nanoporous Ni/NiO catalyst for efficient hydrogen evolution reaction prepared by partial electro-oxidation after dealloying. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 165061	5.7	1
339	A Three-Dimensional Cement Quantification Method for Decision Prediction of Vertebral Recompression after Vertebroplasty. <i>Computational and Mathematical Methods in Medicine</i> , <b>2022</b> , 2022, 1-14	2.8	
338	Microwave assisted antibacterial action of Garcinia nanoparticles on Gram-negative bacteria.. <i>Nature Communications</i> , <b>2022</b> , 13, 2461	17.4	7
337	Zr-rich Zr-Al-Ni-Ag metallic glass composites with high strength and plastic strain. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 165683	5.7	

336	Formation, microstructure and mechanical properties of ductile Zr-rich Zr-Cu-Al bulk metallic glass composites. <i>Journal of Materials Research and Technology</i> , <b>2021</b> ,	5.5	3
335	Photo-Sono Interfacial Engineering Exciting the Intrinsic Property of Herbal Nanomedicine for Rapid Broad-Spectrum Bacteria Killing. <i>ACS Nano</i> , <b>2021</b> ,	16.7	15
334	Oxygen Vacancies-Rich Heterojunction of Ti C /BiOBr for Photo-Excited Antibacterial Textiles. <i>Small</i> , <b>2021</b> , e2104448	11	6
333	Self-activating anti-infection implant. <i>Nature Communications</i> , <b>2021</b> , 12, 6907	17.4	11
332	Modulate the superficial structure of La <sub>2</sub> Ce <sub>2</sub> O <sub>7</sub> catalyst with anchoring CuO species for the selective catalytic oxidation of NH <sub>3</sub> . <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 111, 1-1	9.1	0
331	Amorphous FeNiNbPC nanoporous structure for efficient and stable electrochemical oxygen evolution. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 608, 1973-1982	9.3	3
330	Hierarchical nickel-iron layered double hydroxide composite electrocatalyst for efficient oxygen evolution reaction. <i>Materials Today Nano</i> , <b>2021</b> , 17, 100150	9.7	3
329	Theory-screened MOF-based single-atom catalysts for facile and effective therapy of biofilm-induced periodontitis. <i>Chemical Engineering Journal</i> , <b>2021</b> , 431, 133279	14.7	5
328	Dual-phase nanostructuring as a route to flexible nanoporous metals with outstanding comprehensive mechanical properties. <i>Science China Materials</i> , <b>2021</b> , 64, 2289-2304	7.1	5
327	Engineering Elastic Properties of Isostructural Molecular Perovskite Ferroelectrics via B-Site Substitution. <i>Small</i> , <b>2021</b> , 17, e2006021	11	5
326	Boosting oxygen reduction catalysis with abundant single atom tin active sites in zinc-air battery. <i>Journal of Power Sources</i> , <b>2021</b> , 490, 229483	8.9	2
325	Unveiling the roles of multiple active sites during oxygen reduction reaction in Cr <sub>2</sub> O <sub>3</sub> @Cr-N-C composite catalyst. <i>Journal of Catalysis</i> , <b>2021</b> , 396, 402-408	7.3	4
324	Spin State Tuning of the Octahedral Sites in Ni <sub>1-x</sub> Co <sub>x</sub> -Based Spinel toward Highly Efficient Urea Oxidation Reaction. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 9190-9199	3.8	10
323	Self-supported amorphous nanoporous nickel-cobalt phosphide catalyst for hydrogen evolution reaction. <i>Progress in Natural Science: Materials International</i> , <b>2021</b> , 31, 201-206	3.6	5
322	Na <sup>+</sup> inserted metal-organic framework for rapid therapy of bacteria-infected osteomyelitis through microwave strengthened Fenton reaction and thermal effects. <i>Nano Today</i> , <b>2021</b> , 37, 101090	17.9	27
321	Hierarchical Ni <sub>3</sub> S <sub>4</sub> @MoS <sub>2</sub> nanocomposites as efficient electrocatalysts for hydrogen evolution reaction. <i>Journal of Materials Science and Technology</i> , <b>2021</b> ,	9.1	5
320	Revealing the univariate effect of structural order on the oxidation of ternary alloys: Amorphous vs. crystalline Cu <sub>2</sub> ZrAl alloys. <i>Corrosion Science</i> , <b>2021</b> , 183, 109309	6.8	2
319	Single-Atom Catalysis for Efficient Sonodynamic Therapy of Methicillin-Resistant -Infected Osteomyelitis. <i>ACS Nano</i> , <b>2021</b> , 15, 10628-10639	16.7	37

318	Influences of strontium on the phase composition and lattice structure of biphasic calcium phosphate. <i>Ceramics International</i> , <b>2021</b> , 47, 16248-16255	5.1	2
317	Nanoporous Nickel-Molybdenum Oxide with an Oxygen Vacancy for Electrocatalytic Nitrogen Fixation under Ambient Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 30722-30730	9.5	11
316	ZIF-67 derived Co@NC/g-CN as a photocatalyst for enhanced water splitting H evolution. <i>Environmental Research</i> , <b>2021</b> , 197, 111002	7.9	7
315	Rapid bacteria capturing and killing by AgNPs/N-CD@ZnO hybrids strengthened photo-responsive xerogel for rapid healing of bacteria-infected wounds. <i>Chemical Engineering Journal</i> , <b>2021</b> , 414, 128805	14.7	22
314	Effects of hydrophobic layer on selective electrochemical nitrogen fixation of self-supporting nanoporous Mo4P3 catalyst under ambient conditions. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 286, 119895	21.8	13
313	High-temperature oxidation behaviour of refurbished (Ni,Pt)Al coating on Ni-based superalloy at 1100 °C. <i>Corrosion Science</i> , <b>2021</b> , 187, 109521	6.8	2
312	Enhanced Electrocatalysis for Hydrogen Evolution over a Nanoporous NiAlTi/Al3Ti Hybrid. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 7579-7588	6.1	1
311	Microstructure and mechanical properties of TC4 joints brazed with TiZrCuSn amorphous filler alloy. <i>Rare Metals</i> , <b>2021</b> , 40, 1881-1889	5.5	2
310	Zr55Al10Ni5Cu30 amorphous alloy film prepared by magnetron sputtering method. <i>Rare Metals</i> , <b>2021</b> , 40, 2237-2243	5.5	1
309	Eco-friendly and degradable red phosphorus nanoparticles for rapid microbial sterilization under visible light. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 67, 70-79	9.1	19
308	Photothermy-strengthened photocatalytic activity of polydopamine-modified metal-organic frameworks for rapid therapy of bacteria-infected wounds. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 62, 83-95	9.1	48
307	Photo-controlled degradation of PLGA/TiC hybrid coating on Mg-Sr alloy using near infrared light. <i>Bioactive Materials</i> , <b>2021</b> , 6, 568-578	16.7	13
306	Highly flexible and conductive nanoporous Ag as good substrate for flexible hybrid supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 854, 157095	5.7	3
305	One-step synthesis of Mo and S co-doped porous g-C3N4 nanosheets for efficient visible-light photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , <b>2021</b> , 536, 147743	6.7	20
304	In situ synthesis of a novel MnO/g-CN p-n heterostructure photocatalyst for water splitting. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 586, 778-784	9.3	22
303	Self-supporting amorphous nanoporous NiFeCoP electrocatalyst for efficient overall water splitting. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 82, 96-104	9.1	11
302	Self-supported NiSe@NiFe layered double hydroxide bifunctional electrocatalyst for overall water splitting. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 587, 79-89	9.3	27
301	A novel snail-inspired bionic design of titanium with strontium-substituted hydroxyapatite coating for promoting osseointegration. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 79, 35-45	9.1	6

300	AgPO decorated black urchin-like defective TiO for rapid and long-term bacteria-killing under visible light. <i>Bioactive Materials</i> , <b>2021</b> , 6, 1575-1587	16.7	50
299	Highly durable CuNi active sites towards efficient oxygen reduction for zinc-air battery: Carbon matrix effect, reaction mechanism and pathways. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 857, 158321	5.7	6
298	Ultrasonic Interfacial Engineering of Red Phosphorous-Metal for Eradicating MRSA Infection Effectively. <i>Advanced Materials</i> , <b>2021</b> , 33, e2006047	24	41
297	Structure engineering of electrodeposited NiMo films for highly efficient and durable seawater splitting. <i>Electrochimica Acta</i> , <b>2021</b> , 365, 137366	6.7	14
296	Enhanced photocatalytic and photothermal properties of ecofriendly metal-organic framework heterojunction for rapid sterilization. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 126730	14.7	49
295	Antibacterial Hybrid Hydrogels. <i>Macromolecular Bioscience</i> , <b>2021</b> , 21, e2000252	5.5	23
294	Recent Progress in Photocatalytic Antibacterial.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 3909-3936	4.1	27
293	The recent progress on metal-organic frameworks for phototherapy. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 5086-5125	58.5	96
292	Fe-B-Si-C-Cu amorphous and nanocrystalline alloys with ultrahigh hardness and enhanced soft magnetic properties. <i>Journal of Non-Crystalline Solids</i> , <b>2021</b> , 554, 120606	3.9	3
291	Photothermal-controlled sustainable degradation of protective coating modified Mg alloy using near-infrared light. <i>Rare Metals</i> , <b>2021</b> , 40, 2538-2551	5.5	5
290	Interfacial engineering of BiS/TiCT MXene based on work function for rapid photo-excited bacteria-killing. <i>Nature Communications</i> , <b>2021</b> , 12, 1224	17.4	82
289	Highly efficient nanoporous CoBP electrocatalyst for hydrogen evolution reaction. <i>Rare Metals</i> , <b>2021</b> , 40, 1031-1039	5.5	10
288	Facile synthesis of defected TiO <sub>2</sub> - (B) nanosheet/graphene oxide hybrids with high photocatalytic H <sub>2</sub> activity. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 80, 171-178	9.1	9
287	An Engineered Pseudo-Macrophage for Rapid Treatment of Bacteria-Infected Osteomyelitis via Microwave-Excited Anti-Infection and Immunoregulation. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102926	24	30
286	2D MOF Periodontitis Photodynamic Ion Therapy. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 15427-15439	16.4	36
285	Nanoporous NiSb to Enhance Nitrogen Electroreduction via Tailoring Competitive Adsorption Sites. <i>Advanced Materials</i> , <b>2021</b> , 33, e2101126	24	8
284	Material-herbology: An effective and safe strategy to eradicate lethal viral-bacterial pneumonia. <i>Matter</i> , <b>2021</b> , 4, 3030-3048	12.7	6
283	Sandwich structured Ni <sub>3</sub> S <sub>2</sub> -MoS <sub>2</sub> -Ni <sub>3</sub> S <sub>2</sub> @Ni foam electrode as a stable bifunctional electrocatalyst for highly sustained overall seawater splitting. <i>Electrochimica Acta</i> , <b>2021</b> , 390, 138833	6.7	9

282	The enhanced near-infrared photocatalytic and photothermal effects of MXene-based heterojunction for rapid bacteria-killing. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 297, 120500	21.8	11
281	Corrosion resistance of pseudo-high entropy Fe-containing amorphous alloys in chloride-rich media. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 884, 161090	5.7	4
280	A self-supported FeNi layered double hydroxide anode with high activity and long-term stability for efficient oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 3205-3212	5.8	1
279	NiP nanoflakes for the high-performing urea oxidation reaction: linking active sites to a UOR mechanism. <i>Nanoscale</i> , <b>2021</b> , 13, 1759-1769	7.7	30
278	Activity descriptor identification for hydrogen evolution reaction on well-dispersed few layer MoS <sub>2</sub> (O) nanosheets over the mesoporous carbonic arrays. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 842, 155744	5.7	2
277	A Z-scheme heterojunction of ZnO/CDots/C <sub>3</sub> N <sub>4</sub> for strengthened photoresponsive bacteria-killing and acceleration of wound healing. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 57, 1-11	9.1	38
276	The rapid photoresponsive bacteria-killing of Cu-doped MoS. <i>Biomaterials Science</i> , <b>2020</b> , 8, 4216-4224	7.4	30
275	Overcoming Multidrug-Resistant MRSA Using Conventional Aminoglycoside Antibiotics. <i>Advanced Science</i> , <b>2020</b> , 7, 1902070	13.6	30
274	Phase decomposition and mechanical properties of pseudo-high entropy Zr <sub>65</sub> (Al,Fe,Co,Ni,M) <sub>35</sub> (M=Cu, Ag or Pd) glassy alloys. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 829, 154513	5.7	3
273	miR-21 promotes osseointegration and mineralization through enhancing both osteogenic and osteoclastic expression. <i>Materials Science and Engineering C</i> , <b>2020</b> , 111, 110785	8.3	8
272	Rapid and highly effective bacteria-killing by polydopamine/IR780@MnO <sub>2</sub> /Ti using near-infrared light. <i>Progress in Natural Science: Materials International</i> , <b>2020</b> , 30, 677-685	3.6	6
271	Near-Infrared Light Triggered Phototherapy and Immunotherapy for Elimination of Methicillin-Resistant Biofilm Infection on Bone Implant. <i>ACS Nano</i> , <b>2020</b> , 14, 8157-8170	16.7	67
270	Ce and Er Co-doped TiO for rapid bacteria- killing using visible light. <i>Bioactive Materials</i> , <b>2020</b> , 5, 201-209	16.7	37
269	Tuning cobalt eg occupation of Co-NCNT by manipulation of crystallinity facilitates more efficient oxygen evolution and reduction. <i>Journal of Catalysis</i> , <b>2020</b> , 383, 221-229	7.3	5
268	Visible light responsive CuS/ protonated g-CN heterostructure for rapid sterilization. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 393, 122423	12.8	57
267	In-situ sulfuration of Cu-based metal-organic framework for rapid near-infrared light sterilization. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 390, 122126	12.8	43
266	Rapid Photo-Sonotherapy for Clinical Treatment of Bacterial Infected Bone Implants by Creating Oxygen Deficiency Using Sulfur Doping. <i>ACS Nano</i> , <b>2020</b> , 14, 2077-2089	16.7	98
265	Formation, thermal stability and mechanical properties of high-entropy (Fe <sub>0.25</sub> Co <sub>0.25</sub> Ni <sub>0.25</sub> Cr <sub>0.125</sub> Mo <sub>0.0625</sub> Nb <sub>0.0625</sub> ) <sub>100-x</sub> B <sub>x</sub> (x = 7-14) amorphous alloys. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 825, 153858	5.7	7

264	Rapid Sterilization by Photocatalytic Ag <sub>3</sub> PO <sub>4</sub> /Fe <sub>2</sub> O <sub>3</sub> Composites Using Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 2577-2585	8.3	33
263	Rapid bacteria trapping and killing of metal-organic frameworks strengthened photo-responsive hydrogel for rapid tissue repair of bacterial infected wounds. <i>Chemical Engineering Journal</i> , <b>2020</b> , 396, 125194	14.7	77
262	Understanding the macroscopical flexibility/fragility of nanoporous Ag: Depending on network connectivity and micro-defects. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 53, 91-101	9.1	4
261	Preparation of nanoporous Sn-doped TiO <sub>2</sub> anode material for lithium-ion batteries by a simple dealloying method. <i>Ionics</i> , <b>2020</b> , 26, 4363-4372	2.7	5
260	Ultrahigh thermal stability and hardness of nano-mixed fcc-Al and amorphous phases for multicomponent Al-based alloys. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 832, 154997	5.7	0
259	Insight into the electrochemical-cycling activation of Pt/molybdenum carbide toward synergistic hydrogen evolution catalysis. <i>Journal of Catalysis</i> , <b>2020</b> , 384, 169-176	7.3	8
258	The morphology control and mechanical properties of nanoporous Ag. <i>Materials and Design</i> , <b>2020</b> , 192, 108741	8.1	2
257	Self-supporting CoMoC nanoporous catalysts for N <sub>2</sub> reduction reaction under ambient conditions. <i>Applied Surface Science</i> , <b>2020</b> , 521, 146385	6.7	8
256	Engineered probiotics biofilm enhances osseointegration via immunoregulation and anti-infection. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	34
255	Modulation of the mechanosensing of mesenchymal stem cells by laser-induced patterning for the acceleration of tissue reconstruction through the Wnt/βcatenin signaling pathway activation. <i>Acta Biomaterialia</i> , <b>2020</b> , 101, 152-167	10.8	32
254	Effect of atomic structure on preferential oxidation of alloys: amorphous versus crystalline Cu-Zr. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 40, 128-134	9.1	10
253	Preparation and physicochemical properties of an injectable alginate-based hydrogel by the regulated release of divalent ions via the hydrolysis of d-glucono-lactone. <i>Journal of Biomaterials Applications</i> , <b>2020</b> , 34, 891-901	2.9	0
252	Zn-assisted photothermal therapy for rapid bacteria-killing using biodegradable humic acid encapsulated MOFs. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 188, 110781	6	24
251	Nanoporous Palladium Hydride for Electrocatalytic N <sub>2</sub> Reduction under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 3511-3516	16.4	88
250	Eco-friendly Hybrids of Carbon Quantum Dots Modified MoS <sub>2</sub> for Rapid Microbial Inactivation by Strengthened Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 534-542	8.3	32
249	Formation, structure and properties of pseudo-high entropy clustered bulk metallic glasses. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 820, 153164	5.7	4
248	Nanoporous Palladium Hydride for Electrocatalytic N <sub>2</sub> Reduction under Ambient Conditions. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 3539-3544	3.6	18
247	Tuning the Electron delocalization degree of mesoporous carbon for hydrogen peroxide electrochemical generation. <i>Journal of Catalysis</i> , <b>2020</b> , 392, 1-7	7.3	6

246	Synthesis of Fe <sub>2</sub> O <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> photocatalyst for high-efficiency water splitting under full light. <i>Materials and Design</i> , <b>2020</b> , 196, 109191	8.1	14
245	Rutile-Coated B-Phase TiO <sub>2</sub> Heterojunction Nanobelts for Photocatalytic H <sub>2</sub> Evolution. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 10349-10359	5.6	8
244	In situ synthesis of exfoliation TiO <sub>2</sub> @C hybrids with enhanced photocatalytic hydrogen evolution activity. <i>Applied Surface Science</i> , <b>2020</b> , 530, 147283	6.7	10
243	On the competition between synchronous oxidation and preferential oxidation in Cu-Zr-Al metallic glasses. <i>Corrosion Science</i> , <b>2020</b> , 177, 108996	6.8	5
242	Photoresponsive Materials for Antibacterial Applications. <i>Cell Reports Physical Science</i> , <b>2020</b> , 1, 100245	6.1	50
241	Photoelectrons Mediating Angiogenesis and Immunotherapy through Heterojunction Film for Noninvasive Disinfection. <i>Advanced Science</i> , <b>2020</b> , 7, 2000023	13.6	18
240	Icosahedral and dodecagonal quasicrystal plus glass alloys with plastic deformability. <i>Acta Materialia</i> , <b>2020</b> , 199, 1-8	8.4	3
239	Treatment of MRSA-infected osteomyelitis using bacterial capturing, magnetically targeted composites with microwave-assisted bacterial killing. <i>Nature Communications</i> , <b>2020</b> , 11, 4446	17.4	79
238	Amorphous CoMoO <sub>4</sub> with Nanoporous Structures for Electrochemical Ammonia Synthesis under Ambient Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 19072-19083	8.3	7
237	Near-infrared light controlled fast self-healing protective coating on magnesium alloy. <i>Corrosion Science</i> , <b>2020</b> , 163, 108257	6.8	27
236	Thermal oxidation of amorphous Cu <sub>x</sub> Zr <sub>1-x</sub> alloys: Role of composition-dependent thermodynamic stability. <i>Applied Surface Science</i> , <b>2020</b> , 503, 144376	6.7	7
235	An UV to NIR-driven platform based on red phosphorus/graphene oxide film for rapid microbial inactivation. <i>Chemical Engineering Journal</i> , <b>2020</b> , 383, 123088	14.7	31
234	Enhanced photocatalytic activity and photothermal effects of Cu-doped metal-organic frameworks for rapid treatment of bacteria-infected wounds. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 261, 118248	21.8	140
233	Rapid Biofilm Elimination on Bone Implants Using Near-Infrared-Activated Inorganic Semiconductor Heterostructures. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1900835	10.1	44
232	AgBr Nanoparticles in Situ Growth on 2D MoS <sub>2</sub> Nanosheets for Rapid Bacteria-Killing and Photodisinfection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 34364-34375	9.5	39
231	Zinc-doped Prussian blue enhances photothermal clearance of Staphylococcus aureus and promotes tissue repair in infected wounds. <i>Nature Communications</i> , <b>2019</b> , 10, 4490	17.4	170
230	An amorphous nanoporous PdCuNi-S hybrid electrocatalyst for highly efficient hydrogen production. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 246, 156-165	21.8	49
229	Enhancement of photocatalytic H <sub>2</sub> production by metal complex electrostatic adsorption on TiO <sub>2</sub> (B) nanosheets. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3797-3804	13	9



228	Self-supported Ni(OH) <sub>2</sub> /MnO <sub>2</sub> on CFP as a flexible anode towards electrocatalytic urea conversion: The role of composition on activity, redox states and reaction dynamics. <i>Electrochimica Acta</i> , <b>2019</b> , 318, 32-41	6.7	21
227	The enhanced photocatalytic properties of MnO/g-CN heterostructure for rapid sterilization under visible light. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 377, 227-236	12.8	73
226	Designing Highly Efficient and Long-Term Durable Electrocatalyst for Oxygen Evolution by Coupling B and P into Amorphous Porous NiFe-Based Material. <i>Small</i> , <b>2019</b> , 15, e1901020	11	36
225	Near-infrared light photocatalysis and phototherapy of carbon quantum dots and au nanoparticles loaded titania nanotube array. <i>Materials and Design</i> , <b>2019</b> , 177, 107845	8.1	38
224	Local Photothermal/Photodynamic Synergistic Therapy by Disrupting Bacterial Membrane To Accelerate Reactive Oxygen Species Permeation and Protein Leakage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 17902-17914	9.5	88
223	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. <i>Small</i> , <b>2019</b> , 15, e1900322	11	105
222	Formation, stability and ultrahigh strength of novel nanostructured alloys by partial crystallization of high-entropy (Fe <sub>0.25</sub> Co <sub>0.25</sub> Ni <sub>0.25</sub> Cr <sub>0.125</sub> Mo <sub>0.125</sub> ) <sub>86-89</sub> B <sub>11-14</sub> amorphous phase. <i>Acta Materialia</i> , <b>2019</b> , 170, 50-61	8.4	25
221	Numerical study on the self-heating effects for vacuum/high-k gate dielectric tri-gate FinFETs. <i>Microelectronics Reliability</i> , <b>2019</b> , 95, 52-57	1.2	5
220	Eradicating Multidrug-Resistant Bacteria Rapidly Using a Multi Functional g-C <sub>3</sub> N <sub>4</sub> @ Bi <sub>2</sub> S <sub>3</sub> Nanorod Heterojunction with or without Antibiotics. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1900946	15.6	79
219	Photocatalysis: Light-Activated Rapid Disinfection by Accelerated Charge Transfer in Red Phosphorus/ZnO Heterointerface (Small Methods 3/2019). <i>Small Methods</i> , <b>2019</b> , 3, 1970008	12.8	3
218	The effects of a phytic acid/calcium ion conversion coating on the corrosion behavior and osteoinductivity of a magnesium-strontium alloy. <i>Applied Surface Science</i> , <b>2019</b> , 484, 511-523	6.7	20
217	Rapid and Highly Effective Noninvasive Disinfection by Hybrid Ag/CS@MnO Nanosheets Using Near-Infrared Light. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 15014-15027	9.5	59
216	Light-Activated Rapid Disinfection by Accelerated Charge Transfer in Red Phosphorus/ZnO Heterointerface. <i>Small Methods</i> , <b>2019</b> , 3, 1900048	12.8	48
215	Free-standing amorphous nanoporous nickel cobalt phosphide prepared by electrochemically delloying process as a high performance energy storage electrode material. <i>Energy Storage Materials</i> , <b>2019</b> , 17, 300-308	19.4	41
214	Lysozyme-Assisted Photothermal Eradication of Methicillin-Resistant Infection and Accelerated Tissue Repair with Natural Melanosome Nanostructures. <i>ACS Nano</i> , <b>2019</b> , 13, 11153-11167	16.7	49
213	Dual Metal-Organic Framework Heterointerface. <i>ACS Central Science</i> , <b>2019</b> , 5, 1591-1601	16.8	65
212	Ag <sub>2</sub> [email protected] Heterostructure for Rapid Bacteria-Killing Using Near-Infrared Light. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 14982-14990	8.3	44
211	A near infrared-activated photocatalyst based on elemental phosphorus by chemical vapor deposition. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 258, 117980	21.8	22

210	Highly Effective and Noninvasive Near-Infrared Eradication of a Biofilm on Implants by a Photoresponsive Coating within 20 Min. <i>Advanced Science</i> , <b>2019</b> , 6, 1900599	13.6	142
209	Superimposed surface plasma resonance effect enhanced the near-infrared photocatalytic activity of Au@BiWO coating for rapid bacterial killing. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 380, 120818	12.8	50
208	Highly Efficient and Self-Standing Nanoporous NiO/Al <sub>3</sub> Ni <sub>2</sub> Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 7913-7922	6.1	22
207	Highly efficient amorphous np-PdFePC catalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2019</b> , 328, 135082	6.7	19
206	Photoelectric-Responsive Extracellular Matrix for Bone Engineering. <i>ACS Nano</i> , <b>2019</b> , 13, 13581-13594	16.7	27
205	Multicomponent bulk metallic glasses with elevated-temperature resistance. <i>MRS Bulletin</i> , <b>2019</b> , 44, 867-872	3.2	7
204	Ag <sub>2</sub> S decorated nanocubes with enhanced near-infrared photothermal and photodynamic properties for rapid sterilization. <i>Colloids and Interface Science Communications</i> , <b>2019</b> , 33, 100201	5.4	31
203	High-Frequency soft magnetic properties of Fe-Si-B-P-Mo-Cu amorphous and nanocrystalline alloys. <i>Journal of Non-Crystalline Solids</i> , <b>2019</b> , 526, 119702	3.9	13
202	"Imitative" click chemistry to form a sticking xerogel for the portable therapy of bacteria-infected wounds. <i>Biomaterials Science</i> , <b>2019</b> , 7, 5383-5387	7.4	12
201	Influence of Ag replacement on the formation and heating-induced phase decomposition of Zr <sub>65</sub> Al <sub>7.5</sub> Co <sub>27.5</sub> -xAg <sub>x</sub> (x=5 to 20 at%) glassy alloys. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 783, 545-554	5.7	5
200	Preparation and electrocatalytic performance of nanoporous Pd/Sn and Pd/Sn-CuO composite catalysts. <i>Electrochimica Acta</i> , <b>2019</b> , 296, 397-406	6.7	17
199	Low-cost fabrication of amorphous cobalt-iron-boron nanosheets for high-performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , <b>2019</b> , 296, 198-205	6.7	18
198	Nanocrystallization, good soft magnetic properties and ultrahigh mechanical strength for Fe <sub>82</sub> -85B <sub>13</sub> -16Si <sub>1</sub> Cu <sub>1</sub> amorphous alloys. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 785, 25-37	5.7	32
197	A nanoporous metal phosphide catalyst for bifunctional water splitting. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 5574-5579	13	76
196	The controllable preparation of Co <sub>3</sub> O <sub>4</sub> nanostructure for designing optimal mechanical and magnetic properties of graphite/kaolin based compounds. <i>Materials and Design</i> , <b>2018</b> , 143, 169-176	8.1	4
195	Repeatable Photodynamic Therapy with Triggered Signaling Pathways of Fibroblast Cell Proliferation and Differentiation To Promote Bacteria-Accompanied Wound Healing. <i>ACS Nano</i> , <b>2018</b> , 12, 1747-1759	16.7	209
194	Novel deformation-induced polymorphic crystallization and softening of Al-based amorphous alloys. <i>Acta Materialia</i> , <b>2018</b> , 147, 90-99	8.4	23
193	Defect enhances photocatalytic activity of ultrathin TiO <sub>2</sub> (B) nanosheets for hydrogen production by plasma engraving method. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 230, 11-17	21.8	78

192	Liquid ejection temperature dependence of structure and glass transition behavior for rapidly solidified Zr-Al-M (M=Ni, Cu or Co) ternary glassy alloys. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 739, 1104-1114	5.7	5
191	Citric acid and lactic acid have a synergetic effect on absorbing the bone mineral crystal. <i>Materials Letters</i> , <b>2018</b> , 215, 218-220	3.3	2
190	Nanosized strontium substituted hydroxyapatite prepared from egg shell for enhanced biological properties. <i>Journal of Biomaterials Applications</i> , <b>2018</b> , 32, 896-905	2.9	8
189	Formation, thermal stability and mechanical properties of high entropy (Fe,Co,Ni,Cr,Mo)-B amorphous alloys. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 732, 637-645	5.7	30
188	Free-standing ternary NiWP film for efficient water oxidation reaction. <i>Applied Surface Science</i> , <b>2018</b> , 434, 871-878	6.7	12
187	Development and application of Fe-based soft magnetic bulk metallic glassy inductors. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 731, 1303-1309	5.7	28
186	Controlled-temperature photothermal and oxidative bacteria killing and acceleration of wound healing by polydopamine-assisted Au-hydroxyapatite nanorods. <i>Acta Biomaterialia</i> , <b>2018</b> , 77, 352-364	10.8	111
185	Cobalt-iron (oxides) water oxidation catalysts: Tracking catalyst redox states and reaction dynamic mechanism. <i>Journal of Catalysis</i> , <b>2018</b> , 365, 227-237	7.3	16
184	The synergistic effect of strontium-substituted hydroxyapatite and microRNA-21 on improving bone remodeling and osseointegration. <i>Biomaterials Science</i> , <b>2018</b> , 6, 2694-2703	7.4	21
183	Features and Prospects of Multicomponent Metallic Glasses. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , <b>2018</b> , 65, 37-44	0.2	
182	Soft magnetic properties of Fe <sub>82</sub> -83B <sub>14</sub> -15Si <sub>2</sub> C <sub>0.5</sub> -1 amorphous alloys with high saturation magnetization above 1.7 T. <i>Journal of Non-Crystalline Solids</i> , <b>2018</b> , 500, 173-180	3.9	18
181	Tuning the Bandgap of Photo-Sensitive Polydopamine/AgPO/Graphene Oxide Coating for Rapid, Noninvasive Disinfection of Implants. <i>ACS Central Science</i> , <b>2018</b> , 4, 724-738	16.8	168
180	Rapid Biofilm Eradication on Bone Implants Using Red Phosphorus and Near-Infrared Light. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801808	24	256
179	Influence of Ag replacement on supercooled liquid region and icosahedral phase precipitation of Zr <sub>65</sub> Al <sub>7.5</sub> Ni <sub>10</sub> Cu <sub>17.5-x</sub> Ag <sub>x</sub> (x=0-7.5at%) glassy alloys. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 735, 1712-1721	5.7	14
178	Nano Ag/ZnO-Incorporated Hydroxyapatite Composite Coatings: Highly Effective Infection Prevention and Excellent Osteointegration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 1266-1277	9.5	96
177	Effects of both Sr and Mg substitution on compositions of biphasic calcium phosphate derived from hydrothermal method. <i>International Journal of Applied Ceramic Technology</i> , <b>2018</b> , 15, 210-222	2	7
176	Controlled and sustained drug release performance of calcium sulfate cement porous TiO <sub>2</sub> microsphere composites. <i>International Journal of Nanomedicine</i> , <b>2018</b> , 13, 7491-7501	7.3	4
175	Synthesis of polyaluminocarbosilane with low branched molecular structure using liquid polysilacarbosilane and aluminum acetylacetonate by high-pressure method. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 33, e4720	3.1	0

174	Two-Dimensional Lamellar MoC for Electrochemical Hydrogen Production: Insights into the Origin of Hydrogen Evolution Reaction Activity in Acidic and Alkaline Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 40500-40508	9.5	28
173	Correlation between Mechanical Strength of Amorphous TiO <sub>2</sub> Nanotubes and Their Solid State Crystallization Pathways. <i>ChemistrySelect</i> , <b>2018</b> , 3, 10711-10716	1.8	
172	Unraveling the osteogenesis of magnesium by the activity of osteoblasts in vitro. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 6615-6621	7.3	13
171	Specific Emitter Identification Based on Visibility Graph Entropy. <i>Chinese Physics Letters</i> , <b>2018</b> , 35, 030501	1.8	3
170	Synthesis of Br-doped TiO <sub>2</sub> hollow spheres with enhanced photocatalytic activity. <i>Journal of Nanoparticle Research</i> , <b>2017</b> , 19, 1	2.3	9
169	Peculiarities and usefulness of multicomponent bulk metallic alloys. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 707, 12-19	5.7	21
168	High entropy effect on structure and properties of (Fe,Co,Ni,Cr)-B amorphous alloys. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 696, 345-352	5.7	32
167	Amorphous Metallic NiFeP: A Conductive Bulk Material Achieving High Activity for Oxygen Evolution Reaction in Both Alkaline and Acidic Media. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606570	24	320
166	Four-electron oxygen reduction from mesoporous carbon modified with Fe <sub>2</sub> O <sub>3</sub> nanocrystals. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 10938-10947	4.3	14
165	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. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 711, 132-142	5.7	52
164	Inducible TAP1 Negatively Regulates the Antiviral Innate Immune Response by Targeting the TAK1 Complex. <i>Journal of Immunology</i> , <b>2017</b> , 198, 3690-3704	5.3	20
163	Novel nanosized anatase TiO <sub>2</sub> hexagonal prism filled with nanoporous structure. <i>Materials and Design</i> , <b>2017</b> , 116, 238-245	8.1	9
162	The Incorporation of Strontium in a Sodium Alginate Coating on Titanium Surfaces for Improved Biological Properties. <i>BioMed Research International</i> , <b>2017</b> , 2017, 9867819	3	7
161	A highly efficient electrocatalyst based on amorphous PdCu <sub>3</sub> B material for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 18793-18800	13	47
160	Synthesis of nanoporous CuO/TiO <sub>2</sub> /Pd-NiO composite catalysts by chemical dealloying and their performance for methanol and ethanol electro-oxidation. <i>Journal of Power Sources</i> , <b>2017</b> , 362, 10-19	8.9	41
159	Soft magnetic Fe-Co-based amorphous alloys with extremely high saturation magnetization exceeding 1.9 T and low coercivity of 2 A/m. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 723, 376-384	5.7	49
158	SENNTIX-type amorphous alloys with high B <sub>s</sub> and improved corrosion resistance. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 707, 195-198	5.7	6
157	Incorporation of silver and strontium in hydroxyapatite coating on titanium surface for enhanced antibacterial and biological properties. <i>Materials Science and Engineering C</i> , <b>2017</b> , 71, 852-861	8.3	81

156	One-step synthesis of size-controlled Br-doped TiO <sub>2</sub> nanoparticles with enhanced visible-light photocatalytic activity. <i>Materials Research Bulletin</i> , <b>2017</b> , 86, 248-256	5.1	20
155	FeCo-based soft magnetic alloys with high Bs approaching 1.75 T and good bending ductility. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 691, 364-368	5.7	34
154	Synthesis, Characterization, and Biological Evaluation of Nanostructured Hydroxyapatite with Different Dimensions. <i>Nanomaterials</i> , <b>2017</b> , 7,	5.4	15
153	Specific Emitter Identification Based on the Natural Measure. <i>Entropy</i> , <b>2017</b> , 19, 117	2.8	6
152	Chaos Identification Based on Component Reordering and Visibility Graph. <i>Chinese Physics Letters</i> , <b>2017</b> , 34, 050501	1.8	
151	Strontium incorporation to optimize the antibacterial and biological characteristics of silver-substituted hydroxyapatite coating. <i>Materials Science and Engineering C</i> , <b>2016</b> , 58, 467-77	8.3	73
150	New Fe-based soft magnetic amorphous alloys with high saturation magnetization and good corrosion resistance for dust core application. <i>Intermetallics</i> , <b>2016</b> , 76, 18-25	3.5	25
149	Gene Expression and Antiviral Activity of Interleukin-35 in Response to Influenza A Virus Infection. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 16863-76	5.4	12
148	Synthesis and properties of morphology controllable copper sulphide nanosheets for supercapacitor application. <i>Electrochimica Acta</i> , <b>2016</b> , 211, 891-899	6.7	67
147	Controlled release behaviour and antibacterial effects of antibiotic-loaded titania nanotubes. <i>Materials Science and Engineering C</i> , <b>2016</b> , 62, 105-12	8.3	58
146	Synthesis of Cu <sub>2</sub> O Octadecahedron/TiO <sub>2</sub> Quantum Dot Heterojunctions with High Visible Light Photocatalytic Activity and High Stability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 91-101	9.5	107
145	Synthesis and properties of nanoporous Ag <sub>2</sub> S/CuS catalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2016</b> , 190, 221-228	6.7	58
144	Inducible CYP4F12 enhances Hepatitis C virus infection via association with viral nonstructural protein 5B. <i>Biochemical and Biophysical Research Communications</i> , <b>2016</b> , 471, 95-102	3.4	7
143	3D Tungsten-Doped MoS <sub>2</sub> Nanostructure: A Low-Cost, Facile Prepared Catalyst for Hydrogen Evolution Reaction. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, H299-H304	3.9	22
142	Synthesis, characterization and biological evaluation of strontium/magnesium-co-substituted hydroxyapatite. <i>Journal of Biomaterials Applications</i> , <b>2016</b> , 31, 140-51	2.9	20
141	Development of a more efficient hepatitis B virus vaccine by targeting hepatitis B virus preS to dendritic cells. <i>Vaccine</i> , <b>2016</b> , 34, 516-522	4.1	8
140	Synthesis of rutile Brookite TiO <sub>2</sub> by dealloying TiCu amorphous alloy. <i>Materials Research Bulletin</i> , <b>2016</b> , 73, 290-295	5.1	10
139	Syntheses and Fundamental Properties of Cr/Mo-Adoped Fe-Rich Alloys With Metastable Phase and Saturation Magnetization Near 1.9 T. <i>Materials Research</i> , <b>2016</b> , 19, 1299-1303	1.5	

138	Influence of ejection temperature on structure and glass transition behavior for Zr-based rapidly quenched disordered alloys. <i>Acta Materialia</i> , <b>2016</b> , 116, 370-381	8.4	12
137	Incomplete phase-space method to reveal time delay from scalar time series. <i>Physical Review E</i> , <b>2016</b> , 94, 052210	2.4	5
136	The Large Scale Synthesis of Aligned Plate Nanostructures. <i>Scientific Reports</i> , <b>2016</b> , 6, 29972	4.9	5
135	Pyruvate Carboxylase Activates the RIG-I-like Receptor-Mediated Antiviral Immune Response by Targeting the MAVS signalosome. <i>Scientific Reports</i> , <b>2016</b> , 6, 22002	4.9	16
134	Anatase TiO <sub>2</sub> hierarchical nanospheres with enhanced photocatalytic activity for degrading methyl orange. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 170, 186-192	4.4	10
133	3D microporous Co <sub>3</sub> O <sub>4</sub> -carbon hybrids biotemplated from butterfly wings as high performance VOCs gas sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 235, 420-431	8.5	36
132	Enhancement of gas-sensing abilities in p-type ZnWO <sub>4</sub> by local modification of Pt nanoparticles. <i>Analytica Chimica Acta</i> , <b>2016</b> , 927, 107-116	6.6	23
131	Annealing-induced enthalpy relaxation behavior of Ni-Pd-P-B bulk glassy type alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 674, 250-255	5.3	2
130	Synthesis of TiO <sub>2</sub> Nanoparticles Loaded Pd/CuO Nanoporous Catalysts and Their Catalytic Performance for Methanol, Ethanol and Formic Acid Electro-Oxidations. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, E263-E271	3.9	6
129	Design and synthesis of MWNTs-TiO <sub>2</sub> nanotube hybrid electrode and its supercapacitance performance. <i>Journal of Power Sources</i> , <b>2015</b> , 283, 397-407	8.9	25
128	Pd coated MoS <sub>2</sub> nanoflowers for highly efficient hydrogen evolution reaction under irradiation. <i>Journal of Power Sources</i> , <b>2015</b> , 284, 68-76	8.9	61
127	Synthesis, characterization and the formation mechanism of magnesium- and strontium-substituted hydroxyapatite. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 3738-3746	7.3	47
126	Three-dimensionally ordered macroporous La <sub>1-x</sub> Mg <sub>x</sub> FeO <sub>3</sub> as high performance gas sensor to methanol. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 635, 194-202	5.7	44
125	Pd-loaded In <sub>2</sub> O <sub>3</sub> nanowire-like network synthesized using carbon nanotube templates for enhancing NO <sub>2</sub> sensing performance. <i>RSC Advances</i> , <b>2015</b> , 5, 30038-30045	3.7	27
124	Preparation and electrocatalytic performance of the Pt supported on the alkali-treated nanoporous TiO <sub>2</sub> material. <i>Ionics</i> , <b>2015</b> , 21, 2863-2869	2.7	2
123	Nanocrystal Bismuth Telluride Electrocatalysts for Highly Efficient Oxygen Reduction. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, H785-H791	3.9	9
122	A Bi <sub>2</sub> Te <sub>3</sub> @CoNiMo composite as a high performance bifunctional catalyst for hydrogen and oxygen evolution reactions. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 22770-22780	13	31
121	MoO <sub>2</sub> -CoO coupled with a macroporous carbon hybrid electrocatalyst for highly efficient oxygen evolution. <i>Nanoscale</i> , <b>2015</b> , 7, 16704-14	7.7	40

120	Sub-Tg relaxation and multi-stage glass transition behavior for bulk glassy alloys. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 643, S11-S16	5.7	7
119	Production methods and properties of engineering glassy alloys and composites. <i>Intermetallics</i> , <b>2015</b> , 58, 20-30	3.5	39
118	Nanoporous CuS with excellent photocatalytic property. <i>Scientific Reports</i> , <b>2015</b> , 5, 18125	4.9	93
117	In vivo evaluation of a Ti-based bulk metallic glass alloy bar. <i>Bio-Medical Materials and Engineering</i> , <b>2015</b> , 26, 9-17	1	10
116	Extraordinary Supercapacitor Performance of a Multicomponent and Mixed-Valence Oxyhydroxide. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 8218-8222	3.6	13
115	Extraordinary Supercapacitor Performance of a Multicomponent and Mixed-Valence Oxyhydroxide. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 8100-4	16.4	39
114	Development and Applications of Highly Functional Al-based Materials by Use of Metastable Phases. <i>Materials Research</i> , <b>2015</b> , 18, 1414-1425	1.5	28
113	Syntheses and Fundamental Properties of Fe-rich Metastable Phase Alloys with Saturation Magnetization Exceeding 1.9 T. <i>Materials Research</i> , <b>2015</b> , 18, 127-135	1.5	0
112	Synthesis of CuO/Co <sub>3</sub> O <sub>4</sub> Coaxial Heterostructures for Efficient and Recycling Photodegradation. <i>International Journal of Photoenergy</i> , <b>2015</b> , 2015, 1-11	2.1	33
111	Synthesis of self-detached nanoporous titanium-based metal oxide. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 229, 78-86	3.3	2
110	Syntheses and corrosion behaviors of Fe-based amorphous soft magnetic alloys with high-saturation magnetization near 1.7 T. <i>Journal of Materials Research</i> , <b>2015</b> , 30, 547-555	2.5	29
109	Cytotoxicity and antibacterial efficacy of silver nanoparticles deposited onto dopamine-functionalised titanium. <i>Materials Express</i> , <b>2015</b> , 5, 191-200	1.3	12
108	Soluble interleukin-6 receptor is elevated during influenza A virus infection and mediates the IL-6 and IL-32 inflammatory cytokine burst. <i>Cellular and Molecular Immunology</i> , <b>2015</b> , 12, 633-44	15.4	28
107	Synthesis of three-dimensionally ordered macroporous LaFeO <sub>3</sub> with enhanced methanol gas sensing properties. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 209, 706-713	8.5	86
106	Effect of Na <sup>+</sup> and NaOH concentrations on the surface morphology and dissolution behavior of hydroxyapatite. <i>Ceramics International</i> , <b>2015</b> , 41, 3461-3468	5.1	7
105	Synthesis and photocatalytic performance of nano-sized TiO <sub>2</sub> materials prepared by dealloying TiCuPd amorphous alloys. <i>Materials Research Bulletin</i> , <b>2015</b> , 65, 302-306	5.1	3
104	Preparation of hydroxyapatite layer on Ti-based bulk metallic glasses by acid and alkali pre-treatment. <i>Rare Metals</i> , <b>2015</b> , 34, 22-27	5.5	2
103	Evolution of palladium/copper oxide/titanium dioxide nanostructures by dealloying and their catalytic performance for methanol electro-oxidation. <i>Journal of Power Sources</i> , <b>2015</b> , 274, 1034-1042	8.9	22

102	Fabrication, characterization, and photocatalytic properties of anatase TiO <sub>2</sub> nanoplates with exposed {001} facets. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	8
101	Corrosion behaviour of porous Ni-free Ti-based bulk metallic glass produced by spark plasma sintering in HanksMolution. <i>Intermetallics</i> , <b>2014</b> , 44, 55-59	3.5	32
100	Preparation of nickel-coated graphite by electroless plating under mechanical or ultrasonic agitation. <i>Surface and Coatings Technology</i> , <b>2014</b> , 240, 425-431	4.4	31
99	Zr-based bulk metallic glass composite with in situ precipitated nanocrystals. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 586, 155-158	5.7	13
98	Preparation of Nanoporous Pd/CuO by Dealloying and Their Electrocatalysis for Methanol in Alkaline Condition. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, F1474-F1480	3.9	12
97	Fe-based soft magnetic amorphous alloys with high saturation magnetization above 1.5T and high corrosion resistance. <i>Intermetallics</i> , <b>2014</b> , 54, 169-175	3.5	22
96	Preparation, Characterization and Mechanical Properties of Cu-Sn Alloy/Graphite Composites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2014</b> , 45, 5194-5200	2.3	16
95	Microstructure and Cavitation Erosion Properties of Ceramic Coatings Fabricated on Ti-6Al-4V Alloy by Pack Carburizing. <i>Journal of Materials Engineering and Performance</i> , <b>2014</b> , 23, 2772-2779	1.6	3
94	Surface modification by gas nitriding for improving cavitation erosion resistance of CP-Ti. <i>Applied Surface Science</i> , <b>2014</b> , 298, 164-170	6.7	28
93	Pack cementation processing parameters for SiC coatings on C/C for optimum tribological properties. <i>Surface and Coatings Technology</i> , <b>2014</b> , 254, 54-60	4.4	17
92	Effect of SO <sub>2</sub> on microstructure, phase and photocatalytic activity of TiO <sub>2</sub> nanomaterials prepared from TiCu amorphous alloy. <i>Materials Research Innovations</i> , <b>2014</b> , 18, S4-728-S4-733	1.9	
91	AG NANOPARTICLES-MODIFIED ANATASE TiO <sub>2</sub> SINGLE CRYSTALS CUBES FOR IMPROVING PHOTOELECTRIC CONVERSION. <i>Nano</i> , <b>2014</b> , 09, 1450012	1.1	2
90	Multilayer modification on titanium surface for in situ delivery of MicroRNAs. <i>Materials Letters</i> , <b>2014</b> , 133, 243-246	3.3	2
89	Stress corrosion cracking and bioactivity of Ti-based bulk metallic glass. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 615, S123-S127	5.7	9
88	Large-Scale Synthetic Graphene on Cu as Anti-Corrosion Coating by Chemical Vapor Deposition Approach. <i>Science of Advanced Materials</i> , <b>2014</b> , 6, 545-549	2.3	9
87	Photocatalytic Performance of Ag Nanoparticles Modified ZnO Microplates Prepared by One-Step Method. <i>Current Nanoscience</i> , <b>2014</b> , 10, 389-393	1.4	2
86	Corrosion behavior and mechanical properties of Mg <sub>70</sub> Ni <sub>30</sub> amorphous alloys. <i>Intermetallics</i> , <b>2013</b> , 42, 9-13	3.5	37
85	A thick hierarchical rutile TiO <sub>2</sub> nanomaterial with multilayered structure. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 1961-1966	5.1	19



84	Effect of gas nitriding treatment on cavitation erosion behavior of commercially pure Ti and Ti <sub>60</sub> Al <sub>40</sub> V alloy. <i>Surface and Coatings Technology</i> , <b>2013</b> , 221, 29-36	4.4	24
83	Effects of pulse voltage on the formation of nanoporous Ti oxides by dealloying amorphous TiCu alloy. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 417, 012022	0.3	1
82	Design of a highly sensitive ethanol sensor using a nano-coaxial p-Co <sub>3</sub> O <sub>4</sub> /n-TiO <sub>2</sub> heterojunction synthesized at low temperature. <i>Nanoscale</i> , <b>2013</b> , 5, 10916-26	7.7	105
81	Synthesis and catalytic properties of Pd nanoparticles loaded nanoporous TiO <sub>2</sub> material. <i>Electrochimica Acta</i> , <b>2013</b> , 114, 35-41	6.7	22
80	Effect of cobalt microalloying on the glass forming ability of Ti <sub>40</sub> Cu <sub>20</sub> Pd <sub>20</sub> Zr metallic glass. <i>Journal of Non-Crystalline Solids</i> , <b>2013</b> , 379, 155-160	3.9	12
79	The fabrication of SnSe/Ag nanoparticles on TiO <sub>2</sub> nanotubes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2013</b> , 178, 77-82	3.1	10
78	Ti-Based Bulk Metallic Glass Composites Produced by Spark Plasma Sintering. <i>Materials Science Forum</i> , <b>2013</b> , 750, 52-55	0.4	3
77	Effects of Minor Si Addition on Glass Formation and Thermal Stability of Ni Free Ti-Based Bulk Metallic Glass. <i>Materials Science Forum</i> , <b>2013</b> , 750, 36-39	0.4	7
76	Effect of Minor Addition Ta on the Thermal Stability and Corrosion Resistance of Ti-Zr-Cu-Pd Bulk Metallic Glasses. <i>Materials Science Forum</i> , <b>2013</b> , 750, 23-26	0.4	5
75	Facile In Situ Hydrothermal Method for Synthesis of SrTiO <sub>3</sub> /TiO <sub>2</sub> Nanostructures with Improved Photoelectrochemical Activities. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, H704-H709	3.9	4
74	Ti Particles Dispersed Ti-Based Metallic Glass Matrix Composite Prepared by Spark Plasma Sintering. <i>Materials Transactions</i> , <b>2013</b> , 54, 1335-1338	1.3	9
73	Solution Process for Synthesizing Bioactive Nano-Mesh Layer on Ti-Based Bulk Metallic Glasses. <i>Materials Transactions</i> , <b>2013</b> , 54, 1343-1346	1.3	5
72	Recent Progress in Ti-Based Metallic Glasses for Application as Biomaterials. <i>Materials Transactions</i> , <b>2013</b> , 54, 1314-1323	1.3	30
71	Al <sub>0.5</sub> TiZrPdCuNi High-Entropy (H-E) Alloy Developed through Ti <sub>20</sub> Zr <sub>20</sub> Pd <sub>20</sub> Cu <sub>20</sub> Ni <sub>20</sub> H-E Glassy Alloy Comprising Inter-Transition Metals. <i>Materials Transactions</i> , <b>2013</b> , 54, 776-782	1.3	22
70	Electrochemical Properties of Porous Pd-Based Bulk Metallic Glasses. <i>Materials Transactions</i> , <b>2013</b> , 54, 1347-1350	1.3	3
69	CdS sensitized nanoporous TiO <sub>2</sub> /CuO layer prepared by dealloying of TiCu amorphous alloy. <i>Materials Letters</i> , <b>2012</b> , 80, 131-134	3.3	6
68	Effect of Zr on super-elasticity and mechanical properties of Ti <sub>40</sub> 4at% Nb(0, 2, 4)at% Zr alloy subjected to aging treatment. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2012</b> , 536, 197-206	5.3	64
67	Ni-free Ti-based bulk metallic glass with potential for biomedical applications produced by spark plasma sintering. <i>Intermetallics</i> , <b>2012</b> , 29, 99-103	3.5	50

66	HCV NS4B induces apoptosis through the mitochondrial death pathway. <i>Virus Research</i> , <b>2012</b> , 169, 1-7	6.4	22
65	SnSe Nanoparticles Anchored on TiO <sub>2</sub> Nanotube Arrays by Pulsed Electrochemical Deposition. <i>Electrochemical and Solid-State Letters</i> , <b>2012</b> , 15, D4		3
64	Anodization formation of through-hole nanoporous layers on Ti <sub>x</sub> Nb <sub>1-x</sub> (x = 0.30.7) alloys in nitric acid electrolytes. <i>Applied Surface Science</i> , <b>2012</b> , 258, 3260-3263	6.7	16
63	Ni- and Be-free Zr-based bulk metallic glasses with high glass-forming ability and unusual plasticity. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2012</b> , 13, 166-73	4.1	18
62	Kinetics of Passive Film on Low Carbon Steel in Sodium Nitrate Solution by Numerical Analysis Method. <i>Advanced Materials Research</i> , <b>2012</b> , 457-458, 358-364	0.5	2
61	Fabrication of a Ternary Hybrid Semiconductor ZnFe <sub>2</sub> O <sub>4</sub> /CdS-TiO <sub>2</sub> NTs Structure on the Ti-5Zr Alloy. <i>Current Nanoscience</i> , <b>2012</b> , 8, 643-650	1.4	2
60	Effect of Minor Sn Additions on the Formation and Properties of TiCuZrPd Bulk Glassy Alloy. <i>Materials Transactions</i> , <b>2012</b> , 53, 500-503	1.3	26
59	Microstructure and Electrochemical Behavior of Pd-Cu-Ni-P Bulk Metallic Glass and Its Crystallized Alloys. <i>Materials Transactions</i> , <b>2012</b> , 53, 936-939	1.3	1
58	Effect of hydroxyapatite content on the microstructure, thermal and mechanical properties of Ti-based glassy alloy/hydroxyapatite composite prepared by spark plasma sintering. <i>Intermetallics</i> , <b>2011</b> , 19, 572-576	3.5	11
57	One-step synthesis of petal-like apatite/titania composite coating on a titanium by micro-arc oxidation. <i>Materials Letters</i> , <b>2011</b> , 65, 1041-1044	3.3	24
56	Silver nanoparticles supported on TiO <sub>2</sub> nanotubes as active catalysts for ethanol oxidation. <i>Journal of Catalysis</i> , <b>2011</b> , 278, 276-287	7.3	108
55	Electro-oxidation of ethylene glycol on nanoporous TiCu amorphous alloy. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 10253-10258	6.7	12
54	Characterization of self-organized TiO <sub>2</sub> nanotubes on Ti-4Zr-22Nb-2Sn alloys and the application in drug delivery system. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2011</b> , 22, 461-7	4.5	23
53	Preparation of copper-coated SiC nanoparticles by electroless plating. <i>Surface and Coatings Technology</i> , <b>2011</b> , 205, 2985-2988	4.4	51
52	Improvements in the Superelasticity and Change in Deformation Mode of Ti-Nb-Zr Alloys Caused by Aging Treatments. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2011</b> , 42, 2843-2849	2.3	21
51	Ti oxide nano-porous surface structure prepared by dealloying of TiCu amorphous alloy. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 250-253	5.1	43
50	Study on the formation micromechanism of TiO <sub>2</sub> nanotubes on pure titanium and the role of fluoride ions in electrolyte solutions. <i>Thin Solid Films</i> , <b>2011</b> , 519, 5150-5155	2.2	8
49	Corrosion Behavior of Porous Ti-24Nb-4Zr Alloy in Different Simulated Body Fluids. <i>Advanced Materials Research</i> , <b>2011</b> , 399-401, 1577-1581	0.5	1

48	Study on a Quinoline Inhibitor Used for Sulfur Corrosion on Carbon Steel: Properties Research and Field Test. <i>Advanced Materials Research</i> , <b>2011</b> , 337, 106-111	0.5	
47	The Porous TiNb <sub>2</sub> Zr <sub>4</sub> Alloys with Controllable Porosity Fabricated by Conventional Sintering. <i>Advanced Materials Research</i> , <b>2011</b> , 335-336, 797-804	0.5	
46	Formation of CaP layer on the Ti-based bulk glassy alloy by chemical treatment. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 504, S168-S171	5.7	6
45	Effect of TiO <sub>2</sub> Nanotube Morphology on the Formation of Apatite Layer in Simulated Body Fluid. <i>Current Nanoscience</i> , <b>2010</b> , 6, 256-261	1.4	11
44	Formation and characterization of iron oxide nanoparticles loaded on self-organized TiO <sub>2</sub> nanotubes. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 5245-5252	6.7	22
43	Self-organized nanotubular layer on Ti-4Zr-22Nb-2Sn alloys formed in organic electrolytes. <i>Journal of Materials Research</i> , <b>2009</b> , 24, 3647-3652	2.5	9
42	Effects of femtosecond laser ablation on the surface morphology and microstructure of a bulk TiCuPdZr glass alloy. <i>Rare Metals</i> , <b>2009</b> , 28, 272-276	5.5	0
41	Effects of growing integrated layer [GIL] formation on bonding behavior between hydroxyapatite ceramics and Ti-based bulk metallic glasses via hydrothermal hot-pressing. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2009</b> , 161, 27-30	3.1	13
40	Influence of Zr content on phase transformation, microstructure and mechanical properties of Ti <sub>75</sub> Nb <sub>25</sub> Zr <sub>x</sub> (x=0-8) alloys. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 486, 628-632	5.7	34
39	Interface Structure between Ti-Based Bulk Metallic Glasses and Hydroxyapatite Ceramics Jointed by Hydrothermal Techniques. <i>Materials Transactions</i> , <b>2009</b> , 50, 1308-1312	1.3	1
38	Enhancement of Corrosion Resistance of Titanium-Copper Based Metallic Glass by Methylsiloxane Coating. <i>Materials Transactions</i> , <b>2009</b> , 50, 1334-1339	1.3	1
37	Formation of Ti-based bulk glassy alloy/hydroxyapatite composite. <i>Scripta Materialia</i> , <b>2008</b> , 58, 287-290	5.6	24
36	Effects of Si addition on the glass-forming ability, glass transition and crystallization behaviors of Ti <sub>40</sub> Zr <sub>10</sub> Cu <sub>36</sub> Pd <sub>14</sub> bulk glassy alloy. <i>Intermetallics</i> , <b>2008</b> , 16, 609-614	3.5	20
35	Glass-forming ability and mechanical properties of Ti-based bulk glassy alloys with large diameters of up to 1 cm. <i>Intermetallics</i> , <b>2008</b> , 16, 1031-1035	3.5	115
34	The nucleocapsid protein of SARS-associated coronavirus inhibits B23 phosphorylation. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 369, 287-91	3.4	27
33	Synthesis of Ti-Based Glassy Alloy/Hydroxyapatite Composite by Spark Plasma Sintering. <i>Materials Transactions</i> , <b>2008</b> , 49, 502-505	1.3	15
32	Bioactivity of titanium-based bulk metallic glass surfaces via hydrothermal hot-pressing treatment. <i>Journal of the Ceramic Society of Japan</i> , <b>2008</b> , 116, 115-117	1	10
31	Improving the biocompatibility of NiTi alloy by chemical treatments: An in vitro evaluation in 3T3 human fibroblast cell. <i>Materials Science and Engineering C</i> , <b>2008</b> , 28, 1117-1122	8.3	25

30	Effect of porous NiTi alloy on bone formation: A comparative investigation with bulk NiTi alloy for 15 weeks in vivo. <i>Materials Science and Engineering C</i> , <b>2008</b> , 28, 1271-1275	8.3	29
29	A new Ti-based bulk glassy alloy with potential for biomedical application. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2007</b> , 459, 233-237	5.3	155
28	The Influence of Viscous Flow Deformation on the Thermal Stability and Hardness of ZrCuAlNi Bulk Glassy Alloy. <i>Materials Transactions</i> , <b>2007</b> , 48, 1748-1751	1.3	3
27	Microstructure and Corrosion Resistance of Ti-Zr-Cu-Pd-Sn Glassy and Nanocrystalline Alloys. <i>Materials Transactions</i> , <b>2007</b> , 48, 167-170	1.3	11
26	Corrosion Behavior of a Ti-Based Bulk Metallic Glass and Its Crystalline Alloys. <i>Materials Transactions</i> , <b>2007</b> , 48, 1855-1858	1.3	41
25	Fabrication and Corrosion Property of Novel Ti-Based Bulk Glassy Alloys without Ni. <i>Materials Transactions</i> , <b>2007</b> , 48, 515-518	1.3	41
24	Glass-Forming Ability and Thermal Stability of Ti-Zr-Cu-Pd-Si Bulk Glassy Alloys for Biomedical Applications. <i>Materials Transactions</i> , <b>2007</b> , 48, 163-166	1.3	29
23	New TiZrCuPd Quaternary Bulk Glassy Alloys with Potential of Biomedical Applications. <i>Materials Transactions</i> , <b>2007</b> , 48, 2445-2448	1.3	45
22	Influence of temperature on viscous flow deformation of Zr55Cu30Al10Ni5 bulk glassy alloy in supercooled liquid region. <i>Intermetallics</i> , <b>2007</b> , 15, 885-890	3.5	10
21	Formation of bonelike apatite-collagen composite coating on the surface of NiTi shape memory alloy. <i>Scripta Materialia</i> , <b>2006</b> , 54, 89-92	5.6	28
20	Accelerating the formation of a calcium phosphate layer on NiTi alloy by chemical treatments. <i>Scripta Materialia</i> , <b>2006</b> , 54, 1457-1462	5.6	20
19	Preparation and Properties of Nano-SiO <sub>2</sub> /Epoxy Composites Cured by Mannich Amine. <i>Journal of Macromolecular Science - Physics</i> , <b>2006</b> , 45, 811-820	1.4	20
18	Corrosion Behavior of Ti-Based Metallic Glasses. <i>Materials Transactions</i> , <b>2006</b> , 47, 1934-1937	1.3	25
17	Production of Bulk Glassy Alloy Parts by a Levitation Melting-Forging Method. <i>Materials Transactions</i> , <b>2006</b> , 47, 2072-2075	1.3	3
16	Temperature-Time-Transformation Curve and Viscous Flow Deformation of Zr55Cu30Al10Ni5 Bulk Glassy Alloy. <i>Materials Transactions</i> , <b>2006</b> , 47, 2308-2311	1.3	6
15	Study on corrosion properties of pipelines in simulated produced water saturated with supercritical CO <sub>2</sub> . <i>Applied Surface Science</i> , <b>2006</b> , 252, 2368-2374	6.7	127
14	Nano-SiO <sub>2</sub> Doped Polystyrene Materials for Inertial Confinement Fusion Targets. <i>Journal of Macromolecular Science - Physics</i> , <b>2005</b> , 44, 237-248	1.4	10
13	Stress-strain behavior of porous NiTi alloys prepared by powders sintering. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2005</b> , 408, 264-268	5.3	87

12	Microstructure and wear performance of gradient Ti/TiN metal matrix composite coating synthesized using a gas nitriding technology. <i>Surface and Coatings Technology</i> , <b>2005</b> , 190, 309-313	4.4	64
11	Bioactive NiTi Implants Used for Bone Repairing Applications. <i>Key Engineering Materials</i> , <b>2005</b> , 288-289, 599-602	0.4	2
10	EIS study of the surface film on the surface of carbon steel from supercritical carbon dioxide corrosion. <i>Applied Surface Science</i> , <b>2004</b> , 228, 17-25	6.7	63
9	Preparation and Characterization of Nano-TiO <sub>2</sub> Doped Polystyrene Materials by Melt Blending for Inertial Confinement Fusion. <i>Journal of Macromolecular Science - Physics</i> , <b>2004</b> , 43, 871-882	1.4	8
8	Corrosion behavior of oil tube steels under conditions of multiphase flow saturated with super-critical carbon dioxide. <i>Materials Letters</i> , <b>2004</b> , 58, 1035-1040	3.3	51
7	Characterization of the surface film formed from carbon dioxide corrosion on N80 steel. <i>Materials Letters</i> , <b>2004</b> , 58, 1076-1081	3.3	81
6	Processing of porous TiNi shape memory alloy from elemental powders by Ar-sintering. <i>Materials Letters</i> , <b>2004</b> , 58, 2369-2373	3.3	73
5	Study on the formation of an apatite layer on NiTi shape memory alloy using a chemical treatment method. <i>Surface and Coatings Technology</i> , <b>2003</b> , 173, 229-234	4.4	82
4	Flower-like CuS/graphene oxide with photothermal and enhanced photocatalytic effect for rapid bacteria-killing using visible light. <i>Rare Metals</i> ,1	5.5	20
3	Electronic Structure Modulation of Nanoporous Cobalt Phosphide by Carbon Doping for Alkaline Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> ,2107333	15.6	22
2	Electrodeposition of self-supported NiMo amorphous coating as an efficient and stable catalyst for hydrogen evolution reaction. <i>Rare Metals</i> ,1	5.5	0
1	Interface Polarization Strengthened Microwave Catalysis of MoS <sub>2</sub> /FeS/Rhein for the Therapy of Bacteria-Infected Osteomyelitis. <i>Advanced Functional Materials</i> ,2204437	15.6	5