

Shui-Lin Wu

List of Publications by Year in descending order

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Version: 2024-02-01

219
papers

17,542
citations

9264

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17592

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222
docs citations

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times ranked

14315
citing authors

#	ARTICLE	IF	CITATIONS
1	Polydopamine modified CuS@HKUST for rapid sterilization through enhanced photothermal property and photocatalytic ability. <i>Rare Metals</i> , 2022, 41, 663-672.	7.1	64
2	Flower-like CuS/graphene oxide with photothermal and enhanced photocatalytic effect for rapid bacteria-killing using visible light. <i>Rare Metals</i> , 2022, 41, 639-649.	7.1	61
3	Photothermal therapy with regulated Nrf2/NF- κ B signaling pathway for treating bacteria-induced periodontitis. <i>Bioactive Materials</i> , 2022, 9, 428-445.	15.6	52
4	Formation of a ZnO nanorods-patterned coating with strong bactericidal capability and quantitative evaluation of the contribution of nanorods-derived puncture and ROS-derived killing. <i>Bioactive Materials</i> , 2022, 11, 181-191.	15.6	18
5	A review on current research status of the surface modification of Zn-based biodegradable metals. <i>Bioactive Materials</i> , 2022, 7, 192-216.	15.6	72
6	Magnesium cationic cue enriched interfacial tissue microenvironment nurtures the osseointegration of gamma-irradiated allograft bone. <i>Bioactive Materials</i> , 2022, 10, 32-47.	15.6	10
7	Amorphous FeNiNbPC nanoporous structure for efficient and stable electrochemical oxygen evolution. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1973-1982.	9.4	13
8	Theory-screened MOF-based single-atom catalysts for facile and effective therapy of biofilm-induced periodontitis. <i>Chemical Engineering Journal</i> , 2022, 431, 133279.	12.7	31
9	The enhanced photocatalytic sterilization of MOF-Based nanohybrid for rapid and portable therapy of bacteria-infected open wounds. <i>Bioactive Materials</i> , 2022, 13, 200-211.	15.6	47
10	Oxygen Vacancies-Rich Heterojunction of Ti ₃ C ₂ /BiOBr for Photo-Excited Antibacterial Textiles. <i>Small</i> , 2022, 18, e2104448.	10.0	31
11	Using tea nanoclusters as β -lactamase inhibitors to cure multidrug-resistant bacterial pneumonia: A promising therapeutic strategy by Chinese materioherbology. <i>Fundamental Research</i> , 2022, 2, 496-504.	3.3	11
12	Divalent metal cations stimulate skeleton interoception for new bone formation in mouse injury models. <i>Nature Communications</i> , 2022, 13, 535.	12.8	33
13	Photo-excited antibacterial poly(ϵ -caprolactone)@MoS ₂ /ZnS hybrid nanofibers. <i>Chemical Engineering Journal</i> , 2022, 434, 134764.	12.7	13
14	Sulfur-regulated defect engineering for enhanced ultrasonic piezocatalytic therapy of bacteria-infected bone defects. <i>Chemical Engineering Journal</i> , 2022, 435, 134624.	12.7	55
15	Noble metal-based nanomaterials as antibacterial agents. <i>Journal of Alloys and Compounds</i> , 2022, 904, 164091.	5.5	56
16	2D Molybdenum Sulfide-Based Materials for Photo-Excited Antibacterial Application. <i>Advanced Healthcare Materials</i> , 2022, 11, e2200360.	7.6	24
17	Recent progress of photo-excited antibacterial materials via chemical vapor deposition. <i>Chemical Engineering Journal</i> , 2022, 437, 135401.	12.7	15
18	Surface photodynamic ion sterilization of ITO-Cu ₂ O/ZnO preventing touch infection. <i>Journal of Materials Science and Technology</i> , 2022, 122, 10-19.	10.7	10

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19	Eco-friendly bacteria-killing by nanorods through mechano-puncture with top selectivity. <i>Bioactive Materials</i> , 2022, 15, 173-184.	15.6	10
20	Simultaneously enhancing the photocatalytic and photothermal effect of NH ₂ -MIL-125-GO-Pt ternary heterojunction for rapid therapy of bacteria-infected wounds. <i>Bioactive Materials</i> , 2022, 18, 421-432.	15.6	42
21	Nanotopography Sequentially Mediates Human Mesenchymal Stem Cell-Derived Small Extracellular Vesicles for Enhancing Osteogenesis. <i>ACS Nano</i> , 2022, 16, 415-430.	14.6	18
22	The highly effective therapy of ovarian cancer by Bismuth-doped oxygen-deficient BaTiO ₃ with enhanced sono-piezocatalytic effects. <i>Chemical Engineering Journal</i> , 2022, 442, 136380.	12.7	27
23	Reversing Multidrug-Resistant <i>Escherichia coli</i> by Compromising Its BAM Biogenesis and Enzymatic Catalysis through Microwave Hyperthermia Therapy. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	7
24	Electrodeposition of self-supported NiMo amorphous coating as an efficient and stable catalyst for hydrogen evolution reaction. <i>Rare Metals</i> , 2022, 41, 2624-2632.	7.1	29
25	A Three-Dimensional Cement Quantification Method for Decision Prediction of Vertebral Recompression after Vertebroplasty. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 1-14.	1.3	1
26	Microwave assisted antibacterial action of Garcinia nanoparticles on Gram-negative bacteria. <i>Nature Communications</i> , 2022, 13, 2461.	12.8	49
27	A smart strategy of laser-direct-writing to achieve scalable fabrication of self-supported MoNi ₄ /Ni catalysts for efficient and durable hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12722-12732.	10.3	8
28	Interface Polarization Strengthened Microwave Catalysis of MoS ₂ /FeS/Rhein for the Therapy of Bacteria-Infected Osteomyelitis. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	26
29	Two-dimensional antibacterial materials. <i>Progress in Materials Science</i> , 2022, 130, 100976.	32.8	46
30	Atomic-layer Fe ₂ O ₃ -modified 2D porphyrinic metal-organic framework for enhanced photocatalytic disinfection through electron-withdrawing effect. <i>Applied Catalysis B: Environmental</i> , 2022, 317, 121701.	20.2	22
31	Eco-friendly and degradable red phosphorus nanoparticles for rapid microbial sterilization under visible light. <i>Journal of Materials Science and Technology</i> , 2021, 67, 70-79.	10.7	31
32	A self-healing coating containing curcumin for osteoimmunomodulation to ameliorate osseointegration. <i>Chemical Engineering Journal</i> , 2021, 403, 126323.	12.7	40
33	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> , 2021, 62, 83-95.	10.7	91
34	Photo-controlled degradation of PLGA/Ti ₃ C ₂ hybrid coating on Mg-Sr alloy using near infrared light. <i>Bioactive Materials</i> , 2021, 6, 568-578.	15.6	30
35	Stepwise 3D-spatio-temporal magnesium cationic niche: Nanocomposite scaffold mediated microenvironment for modulating intramembranous ossification. <i>Bioactive Materials</i> , 2021, 6, 503-519.	15.6	27
36	In situ synthesis of a novel Mn ₃ O ₄ /g-C ₃ N ₄ p-n heterostructure photocatalyst for water splitting. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 778-784.	9.4	52

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37	Self-supported Ni ₃ Se ₂ @NiFe layered double hydroxide bifunctional electrocatalyst for overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 79-89.	9.4	89
38	Ag ₃ PO ₄ decorated black urchin-like defective TiO ₂ for rapid and long-term bacteria-killing under visible light. <i>Bioactive Materials</i> , 2021, 6, 1575-1587.	15.6	85
39	Ultrasonic Interfacial Engineering of Red Phosphorousâ€“Metal for Eradicating MRSA Infection Effectively. <i>Advanced Materials</i> , 2021, 33, e2006047.	21.0	93
40	Enhanced photocatalytic and photothermal properties of ecofriendly metal-organic framework heterojunction for rapid sterilization. <i>Chemical Engineering Journal</i> , 2021, 405, 126730.	12.7	104
41	Antibacterial Hybrid Hydrogels. <i>Macromolecular Bioscience</i> , 2021, 21, e2000252.	4.1	105
42	Rapid bacterial elimination achieved by sonodynamic Au@Cu ₂ O hybrid nanocubes. <i>Nanoscale</i> , 2021, 13, 15699-15710.	5.6	38
43	Recent Progress in Photocatalytic Antibacterial. <i>ACS Applied Bio Materials</i> , 2021, 4, 3909-3936.	4.6	100
44	The recent progress on metalâ€“organic frameworks for phototherapy. <i>Chemical Society Reviews</i> , 2021, 50, 5086-5125.	38.1	262
45	Photothermal-controlled sustainable degradation of protective coating modified Mg alloy using near-infrared light. <i>Rare Metals</i> , 2021, 40, 2538-2551.	7.1	14
46	Interfacial engineering of Bi ₂ S ₃ /Ti ₃ C ₂ T _x MXene based on work function for rapid photo-excited bacteria-killing. <i>Nature Communications</i> , 2021, 12, 1224.	12.8	283
47	Highly efficient nanoporous CoBP electrocatalyst for hydrogen evolution reaction. <i>Rare Metals</i> , 2021, 40, 1031-1039.	7.1	42
48	Dual-phase nanostructuring as a route to flexible nanoporous metals with outstanding comprehensive mechanical properties. <i>Science China Materials</i> , 2021, 64, 2289-2304.	6.3	16
49	Regulation of macrophage polarization through surface topography design to facilitate implant-to-bone osteointegration. <i>Science Advances</i> , 2021, 7, .	10.3	176
50	Spin State Tuning of the Octahedral Sites in Niâ€“Co-Based Spinel toward Highly Efficient Urea Oxidation Reaction. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9190-9199.	3.1	25
51	Na ⁺ inserted metal-organic framework for rapid therapy of bacteria-infected osteomyelitis through microwave strengthened Fenton reaction and thermal effects. <i>Nano Today</i> , 2021, 37, 101090.	11.9	77
52	TRPM7 kinase-mediated immunomodulation in macrophage plays a central role in magnesium ion-induced bone regeneration. <i>Nature Communications</i> , 2021, 12, 2885.	12.8	118
53	Single-Atom Catalysis for Efficient Sonodynamic Therapy of Methicillin-Resistant <i>Staphylococcus aureus</i> -Infected Osteomyelitis. <i>ACS Nano</i> , 2021, 15, 10628-10639.	14.6	144
54	Enhanced Nearâ€“Infrared Photocatalytic Eradication of MRSA Biofilms and Osseointegration Using Oxide Perovskiteâ€“Based Pâ€“N Heterojunction. <i>Advanced Science</i> , 2021, 8, e2002211.	11.2	33

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55	Nanoporous Nickel-Molybdenum Oxide with an Oxygen Vacancy for Electrocatalytic Nitrogen Fixation under Ambient Conditions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30722-30730.	8.0	34
56	ZIF-67 derived Co@NC/g-C ₃ N ₄ as a photocatalyst for enhanced water splitting H ₂ evolution. <i>Environmental Research</i> , 2021, 197, 111002.	7.5	21
57	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> , 2021, 414, 128805.	12.7	44
58	Graphitic carbon nitride-based materials for photocatalytic antibacterial application. <i>Materials Science and Engineering Reports</i> , 2021, 145, 100610.	31.8	145
59	Enhanced Electrocatalysis for Hydrogen Evolution over a Nanoporous NiAlTi/Al ₃ Ti Hybrid. <i>ACS Applied Energy Materials</i> , 2021, 4, 7579-7588.	5.1	6
60	An Engineered Pseudo-Macrophage for Rapid Treatment of Bacteria-Infected Osteomyelitis via Microwave-Excited Anti-Infection and Immunoregulation. <i>Advanced Materials</i> , 2021, 33, e2102926.	21.0	87
61	Regulation of extracellular bioactive cations in bone tissue microenvironment induces favorable osteoimmune conditions to accelerate in situ bone regeneration. <i>Bioactive Materials</i> , 2021, 6, 2315-2330.	15.6	69
62	Sequential activation of heterogeneous macrophage phenotypes is essential for biomaterials-induced bone regeneration. <i>Biomaterials</i> , 2021, 276, 121038.	11.4	60
63	2D MOF Periodontitis Photodynamic Ion Therapy. <i>Journal of the American Chemical Society</i> , 2021, 143, 15427-15439.	13.7	161
64	Material-herbology: An effective and safe strategy to eradicate lethal viral-bacterial pneumonia. <i>Matter</i> , 2021, 4, 3030-3048.	10.0	20
65	Electronic Structure Modulation of Nanoporous Cobalt Phosphide by Carbon Doping for Alkaline Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> , 2021, 31, 2107333.	14.9	104
66	The enhanced near-infrared photocatalytic and photothermal effects of MXene-based heterojunction for rapid bacteria-killing. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120500.	20.2	68
67	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> , 2021, 5, 3205-3212.	4.9	3
68	A lithium-doped surface inspires immunomodulatory functions for enhanced osteointegration through PI3K/AKT signaling axis regulation. <i>Biomaterials Science</i> , 2021, 9, 8202-8220.	5.4	21
69	Photo-Sono Interfacial Engineering Exciting the Intrinsic Property of Herbal Nanomedicine for Rapid Broad-Spectrum Bacteria Killing. <i>ACS Nano</i> , 2021, 15, 18505-18519.	14.6	61
70	Self-activating anti-infection implant. <i>Nature Communications</i> , 2021, 12, 6907.	12.8	77
71	Near-infrared light controlled fast self-healing protective coating on magnesium alloy. <i>Corrosion Science</i> , 2020, 163, 108257.	6.6	55
72	Photo-responsive chitosan/Ag/MoS ₂ for rapid bacteria-killing. <i>Journal of Hazardous Materials</i> , 2020, 383, 121122.	12.4	153

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73	An UV to NIR-driven platform based on red phosphorus/graphene oxide film for rapid microbial inactivation. <i>Chemical Engineering Journal</i> , 2020, 383, 123088.	12.7	52
74	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> , 2020, 261, 118248.	20.2	255
75	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. <i>Acta Biomaterialia</i> , 2020, 101, 152-167.	8.3	51
76	Preparation and physicochemical properties of an injectable alginate-based hydrogel by the regulated release of divalent ions via the hydrolysis of α -D-glucono- δ -lactone. <i>Journal of Biomaterials Applications</i> , 2020, 34, 891-901.	2.4	6
77	Zn ²⁺ -assisted photothermal therapy for rapid bacteria-killing using biodegradable humic acid encapsulated MOFs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110781.	5.0	41
78	Eco-friendly Hybrids of Carbon Quantum Dots Modified MoS ₂ for Rapid Microbial Inactivation by Strengthened Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 534-542.	6.7	53
79	Rutile-Coated B-Phase TiO ₂ Heterojunction Nanobelts for Photocatalytic H ₂ Evolution. <i>ACS Applied Nano Materials</i> , 2020, 3, 10349-10359.	5.0	18
80	Photoresponsive Materials for Antibacterial Applications. <i>Cell Reports Physical Science</i> , 2020, 1, 100245.	5.6	102
81	Photoelectrons Mediating Angiogenesis and Immunotherapy through Heterojunction Film for Noninvasive Disinfection. <i>Advanced Science</i> , 2020, 7, 2000023.	11.2	51
82	A tailored positively-charged hydrophobic surface reduces the risk of implant associated infections. <i>Acta Biomaterialia</i> , 2020, 114, 421-430.	8.3	22
83	Treatment of MRSA-infected osteomyelitis using bacterial capturing, magnetically targeted composites with microwave-assisted bacterial killing. <i>Nature Communications</i> , 2020, 11, 4446.	12.8	165
84	Amorphous CoMoO ₄ with Nanoporous Structures for Electrochemical Ammonia Synthesis under Ambient Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 19072-19083.	6.7	15
85	A Z-scheme heterojunction of ZnO/CDots/C ₃ N ₄ for strengthened photoresponsive bacteria-killing and acceleration of wound healing. <i>Journal of Materials Science and Technology</i> , 2020, 57, 1-11.	10.7	74
86	The rapid photoresponsive bacteria-killing of Cu-doped MoS ₂ . <i>Biomaterials Science</i> , 2020, 8, 4216-4224.	5.4	57
87	Overcoming Multidrug-Resistant MRSA Using Conventional Aminoglycoside Antibiotics. <i>Advanced Science</i> , 2020, 7, 1902070.	11.2	49
88	Rapid and highly effective bacteria-killing by polydopamine/IR780@MnO ₂ @Ti using near-infrared light. <i>Progress in Natural Science: Materials International</i> , 2020, 30, 677-685.	4.4	12
89	Near-Infrared Light Triggered Phototherapy and Immunotherapy for Elimination of Methicillin-Resistant <i>Staphylococcus aureus</i> Biofilm Infection on Bone Implant. <i>ACS Nano</i> , 2020, 14, 8157-8170.	14.6	133
90	Ce and Er Co-doped TiO ₂ for rapid bacteria-killing using visible light. <i>Bioactive Materials</i> , 2020, 5, 201-209.	15.6	61

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91	Visible light responsive CuS/ protonated g-C3N4 heterostructure for rapid sterilization. Journal of Hazardous Materials, 2020, 393, 122423.	12.4	116
92	ROS induced bactericidal activity of amorphous Zn-doped titanium oxide coatings and enhanced osseointegration in bacteria-infected rat tibias. Acta Biomaterialia, 2020, 107, 313-324.	8.3	64
93	A novel photothermally controlled multifunctional scaffold for clinical treatment of osteosarcoma and tissue regeneration. Materials Today, 2020, 36, 48-62.	14.2	123
94	In-situ sulfuration of Cu-based metal-organic framework for rapid near-infrared light sterilization. Journal of Hazardous Materials, 2020, 390, 122126.	12.4	72
95	Rapid Photo-Sonotherapy for Clinical Treatment of Bacterial Infected Bone Implants by Creating Oxygen Deficiency Using Sulfur Doping. ACS Nano, 2020, 14, 2077-2089.	14.6	182
96	Controllable biodegradation and enhanced osseointegration of ZrO ₂ -nanofilm coated Zn-Li alloy: In vitro and in vivo studies. Acta Biomaterialia, 2020, 105, 290-303.	8.3	47
97	Rapid Sterilization by Photocatalytic Ag ₃ PO ₄ /Fe ₂ O ₃ Composites Using Visible Light. ACS Sustainable Chemistry and Engineering, 2020, 8, 2577-2585.	6.7	53
98	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.	12.7	142
99	Engineered probiotics biofilm enhances osseointegration via immunoregulation and anti-infection. Science Advances, 2020, 6, .	10.3	82
100	Construction of Bio-functionalized ZnO Coatings on Titanium Implants with Both Self-Antibacterial and Osteoinductive Properties. , 2020, , 169-182.		1
101	Lysozyme-Assisted Photothermal Eradication of Methicillin-Resistant <i>Staphylococcus aureus</i> Infection and Accelerated Tissue Repair with Natural Melanosome Nanostructures. ACS Nano, 2019, 13, 11153-11167.	14.6	74
102	Dual Metal-Organic Framework Heterointerface. ACS Central Science, 2019, 5, 1591-1601.	11.3	108
103	Ag ₂ S@WS ₂ Heterostructure for Rapid Bacteria-Killing Using Near-Infrared Light. ACS Sustainable Chemistry and Engineering, 2019, 7, 14982-14990.	6.7	67
104	Gold nanoparticles-loaded hydroxyapatite composites guide osteogenic differentiation of human mesenchymal stem cells through Wnt/β-catenin signaling pathway. International Journal of Nanomedicine, 2019, Volume 14, 6151-6163.	6.7	44
105	A near infrared-activated photocatalyst based on elemental phosphorus by chemical vapor deposition. Applied Catalysis B: Environmental, 2019, 258, 117980.	20.2	30
106	Highly Effective and Noninvasive Near-Infrared Eradication of a <i>Staphylococcus aureus</i> Biofilm on Implants by a Photoresponsive Coating within 20 Min. Advanced Science, 2019, 6, 1900599.	11.2	212
107	Superimposed surface plasma resonance effect enhanced the near-infrared photocatalytic activity of Au@Bi ₂ WO ₆ coating for rapid bacterial killing. Journal of Hazardous Materials, 2019, 380, 120818.	12.4	85
108	A functionalized TiO ₂ /Mg ₂ TiO ₄ nano-layer on biodegradable magnesium implant enables superior bone-implant integration and bacterial disinfection. Biomaterials, 2019, 219, 119372.	11.4	84

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109	Highly Efficient and Self-Standing Nanoporous NiO/Al ₃ Ni ₂ Electro-catalyst for Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2019, 2, 7913-7922.	5.1	38
110	Accelerated Bone Regeneration by Gold-Nanoparticle-Loaded Mesoporous Silica through Stimulating Immunomodulation. ACS Applied Materials & Interfaces, 2019, 11, 41758-41769.	8.0	73
111	Photoelectric-Responsive Extracellular Matrix for Bone Engineering. ACS Nano, 2019, 13, 13581-13594.	14.6	51
112	Ag ₂ S decorated nanocubes with enhanced near-infrared photothermal and photodynamic properties for rapid sterilization. Colloids and Interface Science Communications, 2019, 33, 100201.	4.1	44
113	Rapid Biofilm Elimination on Bone Implants Using Near-Infrared-Activated Inorganic Semiconductor Heterostructures. Advanced Healthcare Materials, 2019, 8, e1900835.	7.6	71
114	AgBr Nanoparticles in Situ Growth on 2D MoS ₂ Nanosheets for Rapid Bacteria-Killing and Photodisinfection. ACS Applied Materials & Interfaces, 2019, 11, 34364-34375.	8.0	58
115	A surface-engineered multifunctional TiO ₂ based nano-layer simultaneously elevates the corrosion resistance, osteoconductivity and antimicrobial property of a magnesium alloy. Acta Biomaterialia, 2019, 99, 495-513.	8.3	38
116	Micro- and Nanohemispherical 3D Imprints Modulate the Osteogenic Differentiation and Mineralization Tendency of Bone Cells. ACS Applied Materials & Interfaces, 2019, 11, 35513-35524.	8.0	16
117	Zinc-doped Prussian blue enhances photothermal clearance of Staphylococcus aureus and promotes tissue repair in infected wounds. Nature Communications, 2019, 10, 4490.	12.8	306
118	Metal-Organic Frameworks Incorporated Polycaprolactone Film for Enhanced Corrosion Resistance and Biocompatibility of Mg Alloy. ACS Sustainable Chemistry and Engineering, 2019, 7, 18114-18124.	6.7	50
119	An amorphous nanoporous PdCuNi-S hybrid electrocatalyst for highly efficient hydrogen production. Applied Catalysis B: Environmental, 2019, 246, 156-165.	20.2	75
120	Long-Term Prevention of Bacterial Infection and Enhanced Osteoinductivity of a Hybrid Coating with Selective Silver Toxicity. Advanced Healthcare Materials, 2019, 8, e1801465.	7.6	53
121	Enhancing the antibacterial efficacy of low-dose gentamicin with 5 minute assistance of phototherapy at 50 °C. Biomaterials Science, 2019, 7, 1437-1447.	5.4	56
122	The enhanced photocatalytic properties of MnO ₂ /g-C ₃ N ₄ heterostructure for rapid sterilization under visible light. Journal of Hazardous Materials, 2019, 377, 227-236.	12.4	122
123	Editorial for rare metals, special issue on biomedical metal implants. Rare Metals, 2019, 38, 475-475.	7.1	4
124	Near-infrared light photocatalysis and phototherapy of carbon quantum dots and Au nanoparticles loaded titania nanotube array. Materials and Design, 2019, 177, 107845.	7.0	55
125	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.	8.0	149
126	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.	10.0	180

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127	Osseointegration: Long-Term Prevention of Bacterial Infection and Enhanced Osteoinductivity of a Hybrid Coating with Selective Silver Toxicity (Adv. Healthcare Mater. 5/2019). Advanced Healthcare Materials, 2019, 8, 1970020.	7.6	4
128	Eradicating Multidrug-Resistant Bacteria Rapidly Using a Multi Functional $\text{g}\text{C}_{30}\text{N}_{40}\text{@Bi}_2\text{S}_3$ Nanorod Heterojunction with or without Antibiotics. Advanced Functional Materials, 2019, 29, 1900946.	14.9	136
129	Photocatalysis: Light-Activated Rapid Disinfection by Accelerated Charge Transfer in Red Phosphorus/ZnO Heterointerface (Small Methods 3/2019). Small Methods, 2019, 3, 1970008.	8.6	4
130	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.	6.1	35
131	Rapid and Highly Effective Noninvasive Disinfection by Hybrid Ag/CS@MnO_2 Nanosheets Using Near-Infrared Light. ACS Applied Materials & Interfaces, 2019, 11, 15014-15027.	8.0	86
132	Fundamental Theory of Biodegradable Metals—Definition, Criteria, and Design. Advanced Functional Materials, 2019, 29, 1805402.	14.9	226
133	Light-Activated Rapid Disinfection by Accelerated Charge Transfer in Red Phosphorus/ZnO Heterointerface. Small Methods, 2019, 3, 1900048.	8.6	64
134	Click chemistry to form a sticking xerogel for the portable therapy of bacteria-infected wounds. Biomaterials Science, 2019, 7, 5383-5387.	5.4	17
135	A facile fabrication of novel stuff with antibacterial property and osteogenic promotion utilizing red phosphorus and near-infrared light. Bioactive Materials, 2019, 4, 17-21.	15.6	108
136	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.	14.6	303
137	In Situ Disinfection through Photoinspired Radical Oxygen Species Storage and Thermal-Triggered Release from Black Phosphorous with Strengthened Chemical Stability. Small, 2018, 14, 1703197.	10.0	127
138	Infection-prevention on Ti implants by controlled drug release from folic acid/ZnO quantum dots sealed titania nanotubes. Materials Science and Engineering C, 2018, 85, 214-224.	7.3	68
139	Electrophoretic Deposited Stable Chitosan@ MoS_2 Coating with Rapid In Situ Bacteria-Killing Ability under Dual-Light Irradiation. Small, 2018, 14, e1704347.	10.0	171
140	Nano Ag/ZnO-Incorporated Hydroxyapatite Composite Coatings: Highly Effective Infection Prevention and Excellent Osteointegration. ACS Applied Materials & Interfaces, 2018, 10, 1266-1277.	8.0	127
141	A combined coating strategy based on atomic layer deposition for enhancement of corrosion resistance of AZ31 magnesium alloy. Applied Surface Science, 2018, 434, 1101-1111.	6.1	65
142	Synergistic antibacterial activity of multi components in lysozyme/chitosan/silver/hydroxyapatite hybrid coating. Materials and Design, 2018, 139, 351-362.	7.0	72
143	Rapid Sterilization and Accelerated Wound Healing Using Zn^{2+} and Graphene Oxide Modified $\text{g}\text{C}_{30}\text{N}_{40}$ under Dual Light Irradiation. Advanced Functional Materials, 2018, 28, 1800299.	14.9	246
144	Controlled and sustained drug release performance of calcium sulfate cement porous TiO_2 microspheres microspheres. International Journal of Nanomedicine, 2018, Volume 13, 7491-7501.	6.7	10

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145	Noninvasive rapid bacteria-killing and acceleration of wound healing through photothermal/photodynamic/copper ion synergistic action of a hybrid hydrogel. <i>Biomaterials Science</i> , 2018, 6, 2110-2121.	5.4	168
146	Ag/AgBr-loaded mesoporous silica for rapid sterilization and promotion of wound healing. <i>Biomaterials Science</i> , 2018, 6, 1735-1744.	5.4	65
147	Construction of perfluorohexane/IR780@liposome coating on Ti for rapid bacteria killing under permeable near infrared light. <i>Biomaterials Science</i> , 2018, 6, 2460-2471.	5.4	28
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