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序号	论文名称	期刊名称	作者	卷、期、页
1	Bifunctionalized novel Co-V MMO nanowires: Intrinsic oxidase and peroxidase like catalytic activities for antibacterial application	Applied Catalysis B: Environmental	Yi Wang, Chao Chen, Dun Zhang, Jin Wang	2019, doi: 10.1016/j.apcatb.2019.118256
2	Designing a superhydrophobic surface for enhanced atmospheric corrosion resistance based on coalescence-induced droplet jumping behavior	ACS Applied Materials & Interfaces	Xiaotong Chen, Peng Wang, Dun Zhang	2019, 11(41): 38276-38284
3	Layered double hydroxide derived ultrathin 2D Ni-V mixed metal oxide as a robust peroxidase mimic	Chemical Engineering Journal	Chao Chen, Yi Wang, Zhiqing Yang, Dun Zhang	2019, 369, 161-169
4	Multi-level self-healing ability of shape memory polyurethane coating with microcapsules by induction heating	Chemical Engineering Journal	Weijie Fan, Yong Zhang, Weihua Li, Weiwang Wang, Xiaodong Zhao, Liyi Song,	2019, 368: 1033-1044
5	Polydopamine modified polyaniline-graphene oxide composite for enhancement of corrosion resistance	Journal of Hazardous Materials	Ning Yang, Tao Yang, Wei Wang, Huaiyin Chen, Weihua Li*	2019, 377, 142-151
6	The photocatalytic phenol degradation mechanism of the Ag-modified ZnO nanorods	Journal of Materials Chemistry C	Chang Feng, Zhuoyuan Chen*, Jiangping Jing, Jian Hou	2019, doi: 10.1039/C9TC05010H
7	Identification of bacteria by a fluorescence sensor array based on three kinds of receptors functionalized carbon dots	Sensors and Actuators B: Chemical	Laibao Zheng, Peng Qi*, Dun Zhang*	2019, 286, 206-213
8	Electrodeposition of gold nanoparticles on Cu-based metal-organic framework for the electrochemical detection of nitrite	Sensors and Actuators B: Chemical	Huaiyin Chen, Tao Yang, Faqian Liu, Weihua Li	2019, 286, 401-407
9	Enhancement in the photocatalytic antifouling efficiency over cherimoya-like InVO ₄ /BiVO ₄ with a new vanadium source	Journal of Colloid and Interface Science	Xin Zhang, Jie Zhang*, Jianqiang Yu*, Yan Zhang, Fengkai Yu, Lei Jia, Yunling Tan, Yinmen Zhu, Baorong Hou.	2019, 533, 358-368
10	Exploring the bactericidal performance and application of novel mimic enzyme Co ₄ S ₃	Journal of Colloid and Interface Science	Jin Wang, Yi Wang, Dun Zhang	2019, doi: 10.1016/j.jcis.2019.10.110
11	Corrosion behavior of Q235 carbon steel in air-saturated seawater containing <i>Thalassospira</i> sp	Corrosion Science	Shiqiang Chen, Dun Zhang	2019, 148, 71-82

12	Mechanically robust superhydrophobic porous anodized AA5083 for marine corrosion protection	Corrosion Science	Binbin Zhang*, Weichen Xu, Qingjun Zhu, Yuanyuan Sun, Yantao Li*	2019, 158, 108083
13	Peroxidase-like activity of vanadium tetrasulfide submicrospheres and its application to the colorimetric detection of hydrogen peroxide and L-cysteine	Microchimica Acta	Chao Chen, Yi Wang, Dun Zhang	2019, 186(12): 784-792
14	Fluorometric detection of sulfate-reducing bacteria via the aggregation-induced emission of glutathione-gold(I) complexes	Microchimica Acta	Laibao Zheng, Xiangyi Ye, Peng Qi, Dun Zhang, Yan Sun	2019, 186(6): 382-340
15	Dramatically enhanced photoelectrochemical properties and transformed p/n type of g-C ₃ N ₄ caused by K and I co-doping	Electrochimica Acta	Jiangping Jin, Zhuoyuan Chen*, Chang Feng	2019, 297, 488-496
16	Significantly enhanced photoelectrochemical cathodic protection performance of hydrogen treated Cr-doped SrTiO ₃ by Cr ⁶⁺ reduction and oxygen vacancy modification	Electrochimica Acta	Jiangping Jin, Zhuoyuan Chen*, Yuyun Bu*, Mengmeng Sun, Wenqiang Zheng, Weibing Li	2019, 304, 386-395
17	Direct synthesis of layered double hydroxides monolayer nanosheets for coassembly of nanobrick wall hybrid film with excellent corrosion resistance	Applied Surface Science	Ang Liu, Xiaodan Ju, Huiwen Tian, Haocheng Yang, Weihua Li	2019, 493, 239-249
18	Study on the Photocathodic Protection of 304 Stainless Steel by Ag and In ₂ S ₃ Co-sensitized TiO ₂ Composite	Applied Surface Science	ZhengMa, XiuminMa, NazhenLiu, XutongWang, LifeiWang, BaorongHou	2019, doi.org/10.1016/j.apsusc.2019.145088
19	Interaction between sulfate-reducing bacteria and aluminum alloys—Corrosion mechanisms of 5052 and Al-Zn-In-Cd aluminum alloys	Journal of Materials Science & Technology	Fang Guan, Jizhou Duan, Xiaofan Zhai, Nan Wang, Jie Zhang, Dongzhu Lu, Baorong Hou	2019, 36, 55-64
20	Electrochemical behavior of Mg-Al-Zn-Ga-In alloy as the anode for seawater-activated battery	Journal of Materials Science & Technology	Jiarun Li, Zhuoyuan Chen*, Jiangping Jin, Jian Hou	2019, doi.org/10.1016/j.jmst.2019.08.052
21	Preparation of corrosion inhibitor loaded zeolites and corrosion resistance of carbon steel in simulated concrete pore solution	Construction and Building Materials	Heng Yang, Weihua Li, Xiaoyan Liu, Ang Liu, Peng Hang, Rui Ding, Tianyu Li, Yumei Zhang, Wei Wang, Chuansheng Xi	2019, 225, 90-98
22	Surface Alloying of a Magnesium Alloy with Zinc Oxide by Taking Advantage of the Permeability of the Magnesium Oxide Film	Journal of Physical Chemistry C	Dongzhu Lu*, Xiumin Ma, Yanliang Huang, Fubin Ma, Jizhou Duan, Baorong Hou	2019, 123(40): 24461-24468
23	Corrosion of Q235 carbon steel in seawater containing Mariprofundus ferrooxydans and Thalassospira sp.	Frontiers in Microbiology	Shiqiang Chen, Hao Deng, Guangzhou Liu, Dun Zhang	2019, 10, 936

24	Metagenomic resolution of functional diversity in copper surface-associated marine biofilms	Frontiers in Microbiology	Yimeng Zhang, Yan Ma, Ruiyong Zhang, Binbin Zhang, Xiaofan Zhai, Wangqiang Li, Liting Xu, Quantong Jiang, Jizhou Duan*, Baorong Hou	2019, doi: 10.3389/fmicb.2019.02863
25	Heterojunctions of β -AgVO ₃ /BiVO ₄ composites for enhanced visible-light-driven photocatalytic antibacterial activity	Journal of Alloys and Compounds	Zhenbo Xiang, Yi Wang, Zhiqing Yang, Dun Zhang	2019, 776, 266-275
26	Optimized preparation of Co-Pi decorated g-C ₃ N ₄ @ZnO shell-core nanorod array for its improved photoelectrochemical performance and stability	Journal of Alloys and Compounds	Mengmeng Sun, Zhuoyuan Chen*, Xuho Jiang, Chang Feng, Rongchang Zeng	2019, 780, 540-551
27	An ultrafine hyperbranched CdS/TiO ₂ nanolawn photoanode with highly efficient photoelectrochemical performance	Journal of Alloys and Compounds	Xuhong Jiang#, Mengmeng Sun#, Zhuoyuan Chen*, Jianguiping Jing, Chang Feng	2019, DOI: 10.1016/j.jallcom.2019.152533
28	Fabrication of an ultrathin 2D/2D C ₃ N ₄ /MoS ₂ heterojunction photocatalyst with enhanced photocatalytic performance	Journal of Alloys and Compounds	Weibing Li, Lin Wang, Qiang Zhang, Zhuoyuan Chen, Xiaoyan Deng, Chang Feng*, Likun Xu, Mingxian Sun	2019, 808, 151681, 1-9
29	Effects of deep geological environments for nuclear waste disposal on the hydrogen entry into titanium	International Journal of Hydrogen Energy	Qichao Zhang, Yanliang Huang*, Wolfgang Sand, Xiutong Wang	2019, 44(23): 12200-12214
30	Phosphate ion-modified RuO ₂ /Ti ₃ C ₂ composite as a high-performance supercapacitor material	Nanomaterials	Jie Zhao, Faqian Liu, Weihua Li	2019, 9, 377; doi:10.3390/nano9030377
31	Long term corrosion estimation of carbon steel, titanium and its alloy in backfill material of compacted bentonite for nuclear waste repository	Scientific Reports	Qichao Zhang, Min Zheng, Yanliang Huang*, Hans Joerg Kunte, Xiutong Wang, Yuemiao Liu, Chuanbo Zheng	2019, 9(1): 3195
32	Micro-nano textured superhydrophobic 5083 aluminum alloy as a barrier against marine corrosion and sulfate-reducing bacteria adhesion	Journal of the Taiwan Institute of Chemical Engineers	Binbin Zhang, Fang Guan, Xia Zhao, Yimeng Zhang, Yantao Li, Jizhou Duan, Baorong Hou	2019, 97: 433-440
33	pH-responsive self-healing performance of coating with dual-action core-shell electrospun fibers	Journal of the Taiwan Institute of Chemical Engineers	Xiaohong Ji, Wei Wang, Weihua Li, Xia Zhaob, Ang Liu, Xin Wang, Xiaoying Zhang, Weijie Fan, Yanli Wang, Zhaoxia Liu, Shuan Liu, Hao Shi	2019, 104: 227-239
34	In-situ growth of layered double hydroxides nanosheet arrays on graphite fiber as highly dispersed nanofillers for polymer coating with excellent anticorrosion performances	Journal of the Taiwan Institute of Chemical Engineers	Ang Liu, Huiwen Tian, Xiaodan Ju, Wei Wang, Peng Han, Weihua Li	2019, 104: 330-340

35	Phenazine enables the anaerobic respiration of <i>Pseudomonas aeruginosa</i> via electron transfer with a polarised graphite electrode	International Biodeterioration & Biodegradation	Fang Guan, Xuechan Yuan, Jizhou Duan*, Xiaofan Zhai, Baorong Hou*	2019, 137: 8-13
36	Microbiologically influenced corrosion of marine steels within the interaction between steel and biofilms: a brief view	Applied microbiology and biotechnology	Yan Ma, Yimeng Zhang, Ruiyong Zhang, Fang Guan, Baorong Hou, Jizhou Duan	2020, 104: 515-525
37	Study on the Photocathodic Protection of Q235 Steel by CdIn ₂ S ₄ Sensitized TiO ₂ Composite in Splash Zone	Catalysts	Zheng Ma, Xiumin Ma*, Xiutong Wang, Nazhen Liu, Xuehui Liu, Baorong Hou*, Zheng Ma, Xiumin Ma*, Xiutong Wang, Nazhen Liu, Xuehui Liu, Baorong Hou*	2019, 9, 1067; doi:10.3390/catal9121067
38	Design of slippery organogel layer with room-temperature self-healing property for marine anti-fouling application	Progress in Organic Coatings	Hao Zhang, YUANZHEN LIANG, PENG WANG, DUN ZHANG	2019, 132, 132-138
39	Preparation of ZnWO ₄ /TiO ₂ composite film and its photocathodic protection for 304 stainless steel under visible light	Nanotechnology	Xiutong Wang, Jing Lei, Qian Shao, Xinran Li, Xiaobo Ning, Jing Shao, Jizhou Duan, Baorong Hou	2019, 30, 045710
40	Combination of a flow cytometric bead system with 16SrRNA-targeted oligonucleotide probes for bacteria detection	Analytical and Bioanalytical Chemistry	Yan Zeng, Dun Zhang*, Peng Qi*	2019, 411(10): 2161-2168
41	Enhanced photocatalytic performance of the MoS ₂ /g-C ₃ N ₄ heterojunction composite prepared by vacuum freeze drying method	Journal of photochemistry and photobiology A: chemistry	Jing Tian, Zhuoyuan Chen*, Jiangping Jing, Chang Feng, Mengmeng Sun, Weibing Li	2019, DOI: 10.1016/j.jphotochem.2019.112260
42	Fabrication of Ni ₃ S ₂ /TiO ₂ photoanode material for 304 stainless steel photocathodic protection under visible light	Surface and Coatings Technology	Youbo Nan, Xiutong Wang, Xiaobo Ning, Jing Lei, Siyao Guo, Yanliang Huang, Jizhou Duan	2019, 377, 124935
43	An approach to fabricating protective coatings on a magnesium alloy utilising alumina	Surf. Coatings Technol.	Dongzhu Lu*, Yanliang Huang, Quantong Jiang, Meng Zhen, Jizhou Duan, Baorong Hou	2019, 367, 336-340
44	Fabrication of super-hydrophobic micro-needle ZnO surface as corrosion barrier against corrosion in simulated condensation environment	Colloids and Surfaces A	Shudi Zhang, Xiangli Zhen, Peng Wang, Dun Zhang	2019, doi: org/10.1016/j.colsurfa.2019.124087
45	Liquid-Air Interface Corrosion of A537 Steel in High Level Liquid Radioactive Waste Simulant in a Sealed Container	Journal of the Electrochemical Society	Weichen Xu*, Binbin Zhang, Lihui Yang, Tiantian Li, Yantao Li*	2019, 166(2): 33-41
46	Microbial Corrosion Resistance and Antibacterial Property of Electrodeposited Zn-Ni-Chitosan Coatings	Molecules	Xianfan Zhai, Yadong Ren, Nan Wang, Fang Guan, Maria Agievich, Jizhou Duan, Baorong Hou	2019, 24(10): 1974

47	Effect of the coexistence of albumin and H ₂ O ₂ on the corrosion of biomedical cobalt alloys in physiological saline	RSC Advances	Weichen Xu, Binbin Zhang, Lihui Yang, Qiancheng Ni, Yantao Li, Fei Yu*	2019, 9, 3295-32965
48	The effective photocatalysis and antibacterial properties of AgBr/AgVO ₃ composites under visible-light	RSC Advances	Jie Zhang*, Jia Wang, Huihui Xu*, Xianzi Lv, YuXiang Zeng, Jizhou Duan, Baorong Hou	2019, 9: 3710-37118
49	In-situ synthesis of CdS quantum dots on CdCO ₃ cubic structure for enhanced photocatalytic hydrogen production performance	Materials Letters	Weibing Li*, Jing Han, Yijiang Wu, Qingyue Xiang, Yu Qiao, Chang Feng*, Zhuoyuan Chen, Xiaoyan Deng	2019, 255, 126560-126563
50	Lotus-inspired multiscale superhydrophobic AA5083 resisting surface contamination and marine corrosion attack	Materials	Binbin Zhang*, Weichen Xu, Qingjun Zhu, Shuai Yuan, Yantao Li*	2019, 12, 1592; doi:10.3390/ma12101592
51	The effective photocatalysis and antibacterial properties of AgBr/Ag ₂ MoO ₄ @ZnO composites under visible light irradiation	Biofouling	Huihui Xu, Jie Zhang, Xianzi Lv, Tianjie Niu, Yuxiang Zeng, Jizhou Duan, Baorong Hou	2019, 35(7): 719-731
52	Analysis of marine microbial communities colonizing various metallic materials and rust layers	Biofouling	Yimeng Zhang, Yan Ma, Jizhou Duan*, Xiaohong Li, Jing Wang, Baorong Hou	2019, 35(4): 429-442
53	pH-responsive linkages-enabled layer-by-layer assembled antibacterial and antiadhesive multilayer films with polyelectrolyte nanocapsules as biocide delivery vehicles	Journal of Drug Delivery Science and Technology	Haoyuan Cai, Peng Wang, Dun Zhang	2019, 54, 101251
54	The Role of Ammonium Chloride in the Powder Thermal Diffusion Alloying Process on a Magnesium Alloy	Coatings	Dongzhu Lu*, Quantong Jiang, Meng Zhen, Jie Zhang, Yanliang Huang, Baorong Hou	2019, 9, 252
55	A Zinc-Rich Coating Fabricated on a Magnesium Alloy by Oxide Reduction	Coatings	Dongzhu Lu*, Yanliang Huang, Jizhou Duan, Baorong Hou	2019, 9, 278; doi:10.3390/coatings9040278
56	Enhanced photoelectrochemical cathodic protection performance of g-C ₃ N ₄ caused by the co-modification with N defects and C deposition	Journal of Materials Science: Materials in Electronics	Qingji Zhang, Jiangping Jin, Zhuoyuan Chen*, Mengmeng Sun, Jiarun Li, Yan Li*, Likun Xu	2019, 30, 15267-15276
57	First-principle calculation of the electronic structures and optical properties of the metallic and nonmetallic elements-doped ZnO on the basis of photocatalysis	Physica B: Condensed Matter	Chang Feng, Zhuoyuan Chen*, Weibing Li*, Fan Zhang, Xiangbo Li, Likun Xu, Mingxian Sun	2019, 555, 53-60
58	Corrosion behavior of two low alloy steel in simulated deep-sea environment coupling to titanium alloy	Colloid and Interface Science Communications	Weijie Fan, Yong Zhang, Huiwen Tian, Wei Wang, Weihua Li	2019, 29, 40-46

59	Predicting Radionuclide Release Rates from Spent Nuclear Fuel Inside a Failed Waste Disposal Container Using a Finite Element Model	corrosion	Nazhen Liu, Ziyang Zhu, Linda Wu, Zack Qin, James J. No?l, David W. Shoemsmith	2019, 75 (3): 302-308,
60	The polyaniline-modified TiO ₂ composites in water-based epoxy coating for corrosion protection of Q235 steel	Journal of Coatings Technology and Research	Xuehui Liu, Peimin Hou, Xia Zhao, Xiumin Ma, Baorong Hou	2019, 16, 71-80
61	Corrosion of 907 steel influenced by sulfate-reducing bacteria	Journal of Materials Engineering and Performance	Juna Chen, Jijia Wu, Peng Wang, Dun Zhang, Shiqiang Chen, Faqi Tan	2019, 28, 1469-1479
62	Corrosion Behavior of Q235 Steel in Atmospheres Containing SO ₂ and NaCl	Journal of Materials Engineering and Performance	Xinran Li, Xitong Wang?, Liyuan Wang, Yuanyuan Sun, Binbin Zhang, Hongling Li, Yanliang Huang, Baorong Hou	2019, 28(4): 2327-2334
63	Effect of Mixed Bacteria on Corrosion Properties of Zn-Al-Cd Sacrificial Anode	International Journal of Electrochemical Science	Jiwen Song, Jie Zhang*, Jiawang, Xiuxia Song, Shengli Chen	2019, 14, 1610-1619
64	Passivation Behavior and Corrosion Resistance of 904L Austenitic Stainless Steels in Static Seawater	International Journal of Electrochemical Science	Dan Yang, Yanliang Huang*, Peng Peng, Xiangju Liu, Binbin Zhang	2019, 14, 6133-6146
65	Study on preparation of magnesium-rich composite coating and performance enhancement by graft modification of epoxy resin	Science and Engineering of Composite Materials	Chengyue Ge, Xia Zhao, Yudi Guo, Jizhou Duan, and Baorong Hou	2019, 26, 308-316
66	Corrosion of copper-bearing high strength mooring chain steel affected by microbes in seawater	Protection of Metals and Physical Chemistry of Surfaces	Jijia Wu, Faqi Tan, Dun Zhang, Jiang Yin, Eeli	2019, 55, 1207-1216
67	The effect of amino-alcohol-based corrosion inhibitors on concrete durability	Canadian Journal of Civil Engineering	Congtao Sun, Mingshi Chen, Haibing Zheng, Peng Zhang, Yantao Li, Baorong Hou	2019, 46(9): 771-776
68	Microbial communities present on mooring chain steels with different copper contents and corrosion rates	Journal of Oceanology and Limnology	Jijia Wu, Jieyan Gao, Dun Zhang, Faqi Tan, Jiang Yin, Yu Wang, Yan Sun, Eeli	2019, doi: 10.1007/s00343-019-8366-8