

Curriculum Vitae

导师姓名 Name of supervisor	张世宏 Shihong Zhang	职称 Title	教授 Professor
学院 College/Institute	材料科学与工程学院 School of Materials Science and Engineering	学科 Discipline	材料科学与工程 School of Materials Science and Engineering
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研究方向 Research Interests	<p>张世宏博士的研究主要集中在表面工程和防护涂层方面:</p> <p>1)表面/界面设计和制备方法;</p> <p>2)极端环境功能涂层;</p> <p>3)薄膜材料及真空设备制造;</p> <p>4)金属表面防护涂层技术</p> <p>Dr. Shihong Zhang has conducted extensive research in materials science & engineering with focus on surface engineering and protective coating in a wide range of topics:</p> <p>1) Surface/interface design and preparation method;</p> <p>2) Functional coatings for extreme environments;</p> <p>3) Film materials and vacuum equipment manufacturing;</p> <p>4) Metal surface protective coating technology.</p>		
教育背景 Education Background	<p>2007/02 至 2009/12, 韩国昌原国立大学, 工学院纳米及新材料, 博士</p> <p>2004/09 至 2007/02, 安徽工业大学, 材料科学与工程学院, 硕士</p> <p>2000/09 至 2004/06, 安徽工业大学, 材料科学与工程学院, 学士</p> <p>Ph.D., Nano and new materials engineering, 2007/02-2009/12, Changwon National University, Changwon, South Korea</p> <p>M.Sc.,Metallic Material Engineering, 2004/09-2007/02, Anhui University of Technology, Maanshan, China</p> <p>B.Sc.,Metallic Material Engineering, 2000/09-2004/06, Anhui University of Technology, Maanshan, China</p>		
工作经历 Professional Experience	<p>11/2020 – 至今 常务副院长, 研究生院, 安徽工业大学</p> <p>07/2019 – 10/2020 院长, 材料科学与工程学院, 安徽工业大学</p> <p>05/2019 – 至今 主任, 先进金属材料绿色制备与表面技术教育部重点实验室, 安徽工业大学</p> <p>03/2016 – 至今 主任, 现代表界面工程研究中心, 安徽工业大学</p> <p>12/2014 – 至今 教授, 材料科学与工程学院, 安徽工业大学</p> <p>07/2014 – 07/2015 访问教授, 釜山国立大学, 韩国</p>		

	<p>12/2010 – 11/2014 副教授, 材料科学与工程学院, 安徽工业大学</p> <p>12/2009 – 11/2010 讲师, 材料科学与工程学院, 安徽工业大学</p> <p>11/2020 – Present Executive vice President, Graduate School, Anhui University of Technology</p> <p>07/2019 – 10/2020 Dean, School of Materials Science and Engineering, Anhui University of Technology</p> <p>05/2019 – Present Director, Key Laboratory of Green Fabrication and Surface Technology of Advanced Metal Materials, Ministry of Education, Anhui University of Technology</p> <p>03/2016 – Present Director, Research Center of Modern Surface and Interface Engineering, Anhui University of Technology,</p> <p>12/2014 – Present Professor, School of Materials Science and Engineering, Anhui University of Technology</p> <p>07/2014 – 07/2015 Visiting Professor, Pusan National University, South Korea</p> <p>12/2010 – 11/2014 Associate Professor, School of Materials Science and Engineering, Anhui University of Technology</p> <p>12/2009 – 11/2010 Lecturer, School of Materials Science and Engineering, Anhui University of Technology</p>
<p>所获荣誉 Awards</p>	<ul style="list-style-type: none"> -教育部 “长江学者奖励计划” 青年学者, 2020 -安徽省特殊津贴专家, 2020 -安徽省科学技术奖一等奖, 排名第 1, 2021 -安徽省科学技术奖一等奖, 排名第 1, 2019 -安徽省教学成果奖特等奖, 排名第 1, 2022 -安徽省教学成果奖特等奖, 排名第 1, 2019 -安徽省自然科学杰青项目, 2020 -宝钢优秀教师奖, 2017 -安徽省特支计划人才项目, 2016 -Cheung Kong Scholars young scholars, China, 2020 -Anhui Provincial government special allowance expert, China, 2020 -Anhui Province Science and Technology Award, First prize, R1, 2021 -Anhui Province Science and Technology Award, First prize, R1, 2019 -Anhui Teaching Achievement Award, Special prize, R1, 2022 -Anhui Teaching Achievement Award, Special prize, R1, 2019 -Outstanding Natural Science Foundation of Anhui Province, China,

	2020. -Baosteel Excellent Teacher Award, China,2017, -Anhui Province special support plan leading talents, China, 2016
<p>主要论著（5 篇代表性论著）</p> <p>Please list 5 representative publications</p> <p>[1] Yang Yang, X. Z. Dai, X. R. Yang, <u>S. H. Zhang*</u>, D. Y. Li*. First-principles analysis on the role of rare-earth doping in affecting nitrogen adsorption and diffusion at Fe surface towards clarified catalytic diffusion mechanism in nitriding. Acta Materialia 196 (2020) 347-354.</p> <p>[2] Fei Cai*, Qi Zhou, Junkai Chen, <u>Shihong Zhang**</u>, Effect of inserting the Zr layers on the tribo-corrosion behavior of Zr/ZrN multilayer coatings on titanium alloys, Corrosion Science 213 (2023) 111002.</p> <p>[3] Mohan Chen, Ji Cheng Ding, Se-Hun Kwon, Qimin Wang*, <u>Shihong Zhang*</u>, Corrosion resistance and conductivity of NbN-coated 316L stainless steel bipolar plates for proton exchange membrane fuel cells, Corrosion Science 196 (2022) 110042.</p> <p>[4] Xia Liu, Kai Hu, <u>Shihong Zhang*</u>, Tong Xu, Lin Chen, Eungsun Byon, Dongguang Liu, Study of KCl-induced hot corrosion behavior of high velocity oxy-fuel sprayed NiCrAlY and NiCrBSi coatings deposited on 12CrMoV boiler steel at 700 °C, Corrosion Science 203 (2022) 110351.</p> <p>[5] Zhenya Zhang, Zhaolu Xue, Youngjin Park, Hunkwan Park, Zhibin Qiu, Lijie Qiao, Peizhong Feng, Bartłomiej Wierzbą, Eungsun Byon*, <u>Shihong Zhang**</u>, High-temperature performance of thermal environmental barrier coatings in 90%H₂O-10%O₂ conditions at 1475 °C, Corrosion Science 224 (2023) 111535.</p>	