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研究领域	金属及其复合材料的研发与加工			
社会兼职				
承担项目	1. 表面机械处理法制备高熵合金涂层及性质研究，中央高校基本科研业务费专项资金，2016.1-2018.12，主持，在研 2. 过渡金属氧化物及其电化学性能研究，南京农业大学科研启动基金，2011-， 主持，在研 3. STA449F3 同步热分析仪基线校正技术的优化，中央高校基本科研业务费专项资金，2015.03-2017.03，参与，在研 4. 原位自生颗粒增强镁基复合材料的研发及其化学镀研究，南京农业大学青年科技创新基金，2010.10-2014.10，主持，已结题			
学术成果	主要论文： [1] **Ke Chen***, Hemei Yang, Junshan Gao, Xiaolin Li, Chuangui Yu, Guangxu Ma, Xiao Yuan. Non-isothermal crystallization kinetics of $Mg_{60}Zn_{30}Ti_5Si_5$ amorphous alloy prepared by mechanical alloying, Journal of Alloys and Compounds, 2016, 687: 174-178 （SCI 收录） [2] **陈可**，杨和梅*，王玲. 表面机械处理制备金属涂层的研究进展. 材料科学与工程学报，2016，34 [3] **陈可***，杨和梅，朱梦丹，朱大鹏. 机械合金化工艺对 $Mg_{60}Zn_{30}Ti_5Si_5$ 非晶合金制备的影响，材料科学与工程学报，2015，33（6）：810~813 [4] **Ke Chen***, Ziquan Li, Effect of co-modification by Ba and Sb on the microstructure of Mg_2Si/Mg–Zn–Si composite and mechanism, Journal of Alloys and Compounds, 2014, 592(1):196-201 (SCI 收录) [5] **陈可***. 镁基复合材料制备方法的研究进展，材料导报，2012，26（z1）：378-381 [6] **陈可**，李子全*，刘劲松，杨继年，孙颖迪，卞松刚. Ba 对原位自生			

	Mg_2Si/Mg-Zn-Si 复合材料组织与力学性能的影响，材料工程，2010，（04）：63-68 （EI 收录） [7] **Ke Chen**, Ziquan Li*, Jinsong Liu, Jinian Yang, Yindi Sun, Songgang Bian. The effect of Ba addition on microstructure of in situ synthesized Mg_2Si/Mg–Zn–Si composites, Journal of Alloys and Compounds, 2009, 487（1–2）：293-297 （SCI 收录） [8] **Ke Chen**, Ziquan Li*, Henzhi Zhou, Wei Wang, Influence of high intensity ultrasonic vibration on microstructure of in-situ synthesized Mg_2Si/Mg composites, Transactions of Nonferrous Metals Society of China，2007,（S1）：391-395 （SCI 收录） [9] **陈可**，李子全*，杨宝亮. 铈、镧及富铈混合稀土对 AZ91D 合金组织和力学性能的影响，机械工程材料，2007，31(11)：47-51
奖励荣誉	

Teaching staff/ Personal information

<table>
<tr><td>Name</td><td>Chen Ke</td><td>Gender</td><td>Female</td><td rowspan="4">  </td></tr>
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<tr><td>Research field</td><td colspan="4">Processing of metal and metal matrix composites</td></tr>
<tr><td>Social appointments</td><td colspan="4"></td></tr>
<tr><td>Research projects</td><td colspan="4">1. Research on high-entropy alloy coating prepared by SMAT, Fundamental Research Funds for the Central Universities，2016.1-2018.12, project leader and principal investigator
2. Research on Transition metal oxides and their electrochemical properties. NJAU Initial Fund for Scientific Research. 2011-, project leader and principal investigator
3. Optimization of baseline calibration technique for STA449F3 simultaneous thermal analyzer, Fundamental Research Funds for the Central Universities, 2015.03-2017.03, Co-principal investigator
4. Research on in-situ synthesized Mg matrix composite and chemical plating, NJAU youth Science and Technology Innovation Fund, 2010.10-2014.10, project leader and principal investigator</td></tr>
<tr><td>Academic achievements</td><td colspan="4">Recent papers:
[1] Ke Chen*, Hemei Yang, Junshan Gao, Xiaolin Li, Chuangui Yu, Guangxu Ma, Xiao Yuan. Non-isothermal crystallization kinetics of $Mg_{60}Zn_{30}Ti_5Si_5$ amorphous alloy prepared by mechanical alloying, Journal of Alloys and Compounds, 2016, 687: 174-178 （SCI）
[2] CHEN Ke，YANG He-mei*，WANG Ling, Research Developments of Coatings prepared by SMAT on Metals, Journal of Materials Science & Engineering, 2016，34
[3] CHEN Ke*，YANG He-mei，ZHU Meng-dan，ZHU Da-peng. Influence of Mechanical Alloying Parameters on Preparation of $Mg_{60}Zn_{30}Ti_5Si_5$ Amorphous Alloy, Journal of Materials Science & Engineering, 2015，33(6): 810~813
[4] Ke Chen*, Ziquan Li, Effect of co-modification by Ba and Sb on the microstructure of Mg_2Si/Mg–Zn–Si composite and mechanism, Journal of Alloys and Compounds, 2014, 592(1):196-201 (SCI)</td></tr>
</table>

	[5] **Ke Chen**, Ziquan Li*, Jinsong Liu, Jinian Yang, Yindi Sun, Songgang Bian. The effect of Ba addition on microstructure of in situ synthesized Mg_2Si/Mg–Zn–Si composites, Journal of Alloys and Compounds, 2009, 487（1–2）：293-297 （SCI） [6] **Ke Chen**, Ziquan Li*, Henzhi Zhou, Wei Wang, Influence of high intensity ultrasonic vibration on microstructure of in-situ synthesized Mg_2Si/Mg composites, Transactions of Nonferrous Metals Society of China，2007,（S1）：391-395 （SCI）
Reward & honor	