



[Login](#)

[首页](#)

[实验室简介](#)

[学术队伍](#)

[学术交流](#)

[科学研究](#)

[人才培养](#)

[科研设备](#)

[开放课题](#)

[下载区](#)

[实验室概况](#)

[组织机构](#)

- [学术委员会](#)
- [实验室领导班子](#)

[师资队伍](#)

- [教授](#)
- [副教授](#)
- [讲师](#)
- [实验系列](#)
- [工人系列](#)
- [行政系列](#)

[客座教授](#)

[研究成果](#)

[承担课题](#)

[获奖成果](#)
[发表专利](#)

[本科生培养](#)
[硕士生培养](#)
[博士生培养](#)
[博士后培养](#)

[ATM实验室首页](#)

/

[科学研究](#)

/

[研究成果](#)

/

ATM实验室发表论文（2012年）

最新公告

[ATM实验室网站](#)
[试运行!](#)

选择语言

[English](#) [中文](#)

网站统计

访客

197

文章

157

友情链接列表

9

文章查看点击

97596

站点导航

[首页](#)

[实验室简介](#)

[学术队伍](#)

[学术交流](#)

[科学研究](#)

- [研究成果](#)
- [承担课题](#)
- [获奖成果](#)
- [发表专利](#)

[人才培养](#)

[科研设备](#)

[开放课题](#)

[下载区](#)

友情链接

[中国教育部](#)

[中国科学技术部](#)

[国家自然科学基金委](#)

[东北大学](#)

[东北大学材料与冶金](#)

ATM实验室发表论文 (2012)



详细资料

分类: [研究成果](#)

最后更新于 2012年9月01日 星期六 16:20

作者: Super User

点击数: 1024

序号	论文题目	作者
1	Low-temperature chemical vapor deposition growth of graphene from toluene on electropolished copper foils	B. Zhang, R. Lee, R. Kholman, Y.P. Wu, Li, H.X. Ruoff
2	Flexible pillared graphene paper electrodes for high performance electrochemical supercapacitors	G.K. Wu, Sun, F. H.T. Su, M.P. Yang, Jiang, C.

		J. Lian
3	Partitioned cooperative self-assembly process: taking the mesopore swelling strategy one step further for the preparation of mesocellular foams	W. Wang, Shan, Y. H.Q. Ren
4	Hydrophobic precipitation of carbonaceous spheres from fructose by a hydrothermal process	M. Zhang, H. Yang, Liu, X. D. K.
5	Fabrication of large-area, high-enhancement SERS substrates with tunable interparticle spacing and application in identifying microorganisms at the single cell level	J. Chen, Shen, C. Qin, X. L.H. C. Z.W. Wang, Li, Y.P. Zuo
6	Microstructure and magnetocaloric effect of melt-spun $\text{Ni}_{52}\text{Mn}_{26}\text{Ga}_{22}$ ribbon	Z.B. Li, Sanche Llamaz, C.F. S. Valdes, Zhang, Esling, Zhao, I.
7	Oscillation of the magnetic moment in modulated martensites in Ni_2MnGa studied by ab initio calculations	N. Xu, Raulot, J. Bai, Zhang, Zhao, I. Esling
8	The effects of Gd^{3+} substitution on the crystal structure, site symmetry, and photoluminescence of Y/Eu layered rare-earth hydroxide (LRH) nanoplate	X.L. Wang, Li, Q. Z. Li, R. M. Sasaki, X.D. Sun, Sakka

9	Orientation dependence of shear banding in face-centered-cubic single crystals	N. Jia, Roters, Eisenloerl, Raabe, Zhao
10	Non-crystallographic shear banding in crystal plasticity FEM simulations: Example of texture evolution in α -brass	N. Jia, Roters, Eisenloerl, Kords, Raabe
11	Effective lattice stabilization of gadolinium aluminate garnet (GdAG) via Lu^{3+} doping and the development of highly efficient (Gd,Lu)AG:Eu $^{3+}$ red phosphors	J.K. Li, Z.J. Zhang, X.L. Wang, Liu, X.D. Sun, Sakka
12	Improvement in fatigue strength while keeping low Young's modulus of a β -type titanium alloy through yttrium oxide dispersion	X. Song, Niinon, Nakai, Tsutsui, Wang
13	Effect of N on microstructure and mechanical properties of 16Cr5Ni1Mo martensitic stainless steel	X.P. Mao, Wang, C.M. Li, Subramanian
14	Re-determination of $\gamma/(\gamma+\alpha\text{-Mg})$ phase boundary and experimental evidence of R intermetallic compound existing at lower temperatures in the Mg-Al binary system	Y.P. Ren, Qin, S. Guo, X. Shu, I. Dong, B. Liu, B.
15	Gadolinium aluminate garnet ($\text{Gd}_3\text{Al}_5\text{O}_{12}$): Crystal structure stabilization via lutetium doping and properties of the (Gd $_{1-x}$ Lu $_x$) $_3\text{Al}_5\text{O}_{12}$ solid solutions (x=0-0.5)	J.K. Li, Z.J. Zhang, X.L. Wang, Liu, X.D. Sun, Sakka

16	Controlled synthesis of MnSn(OH) ₆ /graphene nano-composites and their electrochemical properties as capacitive materials	G.K. Wu, F. Sun, Q.K. Yu, Liu, J.
17	Well-defined crystallites autoclaved from the nitrate/NH ₄ OH reaction system as the precursor for (Y,Eu) ₂ O ₃ red phosphor: Crystallization mechanism, phase and morphology control, and luminescent property	Q. Zhu, R.Z. Ma, Sasaki, Yang, X.D. Sun, Sakka
18	Twinning and martensite in a 304 austenitic stainless steel	Y.F. Shen, Li, X. Sun, Wang,
19	Effect of pre-annealing treatment on the compressive deformation and damage behavior of ultrafine-grained copper	Q.W. Jiang, X.W. Liu
20	Microstructure and properties of 3Cr5Ni1Mo0.025Nb0.09V0.06N super martensitic stainless steel	X.P. Meng, Wang, Liu, S. V. Subramanian
21	Carbon-content dependent effect of magnetic field on austenitic decomposition of steels	X.X. Zhang, S.J. Wang, Zhang, Esling, Zhao, L.
22	Pressureless sintered SiC matrix toughened by in situ synthesized TiB ₂ : Process conditions and fracture toughness	W. Wang, Lian, H.
23	Plastic deformation in an amorphous Ni-P coating	Y.F. Shen, W.N. Liu, Sun, W.

		Y.D. V Zuo, P.
24	Effects of thermal exposure on cyclic deformation and fracture behavior of Ti600 titanium alloy	T. Yu, I Y.Q. Zh Liu
25	Synthesis of Ni-P-PTFE-nano- Al_2O_3 composite plating coating on 45 steel by electroless plating.	S.Y. Ch Shi, H. Liang, Liu, K.
26	Preparation of transparent Y_2O_3 ceramic by slip casting and vacuum sintering	D. Huo Zheng, Sun, X. S.H. L
27	Surface energy and work of adhesion of Titania- related materials	Z. Lin, C.M. Li
28	First principles calculation on thermal stability of metastable precipitates in Mg-Gd binary alloys	X.Y. M X.H. W Ren, G.
29	Thermodynamic assessment of Au-Pt system	X.N. X Ren, C. Li, G.W
30	Phase equilibria of Mg-rich corner in Mg-Zn-Al ternary system at 300°C	Y.P. Re Qin, W S. Li, Y H.D. Zl
31	High magnetic field influence on the Widmanstätten transformation in high purity Fe-0.36 wt% C alloy	S.J. Wa Zhao, N L. Zuo
32	Microstructure evolution and properties of Mg-3Sn-1Mn(wt%) alloy trip processed by semisolid rheo-rolling	R.G. G Zhao, F Zhang, C.S. L Liu

33	Effects of pulse current on dynamic recrystallization behavior of GH4169 superalloy	Y. Liu, Wang, Liu, X. B.J. Z
34	Assessment of Co-Cr-Ni ternary system by CALPHAD technique	S.Y. Ya Jiang, L. Wan Yang
35	The effects of Y ³⁺ doping on the phase structure and photoluminescence properties of (Gd _{0.95-x} Y _x Eu _{0.05}) ₂ O ₃ red phosphors	Q. Zhu, R. Ma, Sasaki, Yang, X.D. Su Sakka
36	Effect of ECAP on high temperature compressive deformation behaviour of LY12 aluminium alloys	Q.W. J Wang, X.W. L
37	Effect of sintering temperature on structure and bioactivity of HAp - 5.0 wt-% SiO ₂ bioceramic composites	X.W. L Zhang, Zhang, Yasuda Umako
38	Qualitative and quantitative characterizations of fracture surfaces of AL6XN super-austenitic stainless steel fatigued at different stress amplitudes	J.G. Yu Ma, J.J. X.W. L
39	Effect of strip size on neutral angle during a novel semisolid shearing-rolling process	R.G. Gu Zhao, F Chao, C Zhang, Liu
40	Microstructure formation	R.G. Gu

	mechanism of AZ31 magnesium alloy processed by rheo-forming	Zhao, I R.Z. Ch C.M. I
41	Melt flow type and physical model of semisolid rheo-casting process by cooling sloping plate	R.G. Gu Zhao, I R.Z. Ch C.M. I
42	Effects of technical parameters on process stability and microstructure during continuous rheo- extrusion process of 6201 alloy wire	R.G. Gu Zhao, I R.Z. Ch C.M. I
43	Primary recrystallization texture in rolled (Fe81Ga19)99B1 sheet	Z.H. Ho Su, Y.F Zhang,
44	Effects of normalizing annealing on the recrystallization texture of 4.2wt.%Si non-oriented electrical steel thin sheets	J.L. Liu Sha, Y. F. Zhar Zuo
45	Study on the mechanical performance of a Ni-based superalloy with trace rare earth element La additions	X. Song Wang, H.P. M
46	Effect of pulse current on tensile deformation behavior of IN718 alloy	Y. Liu, Wang, X.D. Lu Zhang
47	Dynamic tensile characteristics of DP600 steel sheets for automotive applications	D.Y. De Liu, L. C.S. Li
48	Texture evolution in non-oriented silicon steel processed by twin-roll casting	W. Pei, Sha, F. L. Zuo
49	Effect of electric field treatment on vacancy of Inconel 718 superalloy at 1073K	Y. Wan Wang, Zhang,

		Y. Liu Chao
50	Effects of a high magnetic field on abnormal microstructure in Fe-1.1C (wt.%) alloy	M.L. Guo, Liu, X. Zuo
51	Plasma nitriding of 20CrMo steel with nanostructured surface layer	J. Sun, Zhang, Tong, I J.C. He
52	Corrosion behavior of new weathering steel in the environment simulating coastal industrial atmosphere	W.F. Cao, Shao, C
53	Effect of electric field strength on texture evolution of IF steel sheet during annealing	C.S. He, Zhao, V Tong, I
54	Effects of magnetic field intensity on carbon diffusion in pure iron in the single-phase austenite region	Y. Wu, X. Zhao
55	Effect of electric current direction on texture evolution in a cold rolled Fe-3%Si steel under electric current pulses treatment	X.L. Wang, H.M. Zhang, W.B. Dong, Zhao
56	Application of EBSD to the crystallographic investigation on Ni-Mn-Ga alloys	Z.B. Li, Zhang, Esling, Yang, J Wang, X. Zhao
57	Flow behavior of Fe-3%Si steel at high temperatures and strain rates	F.H. An, Sha, F. L. Zuo
58	Epitaxial growth of α -Fe ₂ O ₃ thin films on c-plane sapphire substrate by hydrothermal	S. Li, G L. Zou

	method	
59	Effects of a high magnetic field on austenite decomposition in high purity Fe-1.1C (wt.%) alloy	X.X. Zh Y.D. Zh M.L. G Esling, Zhao, I
60	Texture evolution along the layer thickness in a Fe-3%Si steel under electropulsing treatment	X.L. W H.M. Z W.B. D Zhao
61	Through thickness shear strain in silicon steel under asymmetric rolling	H.P. Ya Sha, F. W. Pei,
62	New model for twin-variant selection in hexagonal alloys	C. Schu Bao, J. Lecom Philipp Zhang, Zhao, I J.M. Ra Esling
63	Texture and correlation between R-value and formability of aluminum alloy sheet	N. Tiar Zhao, E J.J. Wa Zuo, C
64	EBSD-based crystallographic study on a Ni-Mn-Ga alloy with incommensurate 7Mstructure	Z.B. Li, Zhang, Esling, Zhao, I
65	Importance of microscale texture and grain boundary connectivity to percolation- dependent bulk properties in polycrystalline materials	T. Wat S. Kob X. Zhao
66	Strong Goss texture in recrystallized Fe ₈₁ Ga ₁₉ sheet	Z.H. Ho Sha, F.

		L. Zuo
67	Observations on the effect of a high magnetic field annealing on the recrystallized microstructure and texture evolution in pure copper	T. He, Kang, Z Wang, L. Zuo
68	Nanocrystallization and texture transformation in the surface layer of copper induced by surface mechanical attrition	G. Liu, Wang, Liu, B.L X. Zhao
69	Determination of crystallographic elements (dislocation and surface plane) from automated TEM orientation determination	Y.D. Zh S.Y. W Esling, Zhao,L
70	Deformation induced phase separation of $Ni_{45}Co_5Mn_{36.7}In_{13.3}$ alloy at high temperature	G. Wan Wang, W.R. Z Y.D. L Wang,L
71	Investigation on texture evolution in plastic deformation layer of SMAT iron	W.Y. C W.P. T He, X. Zuo
72	Characteristics of microstructure and texture in the stir zone of friction stir welded Al-12.7Si-0.7Mg alloy	C.S. He Wang, X. Zhao
73	DC casting, deformation and strengthening of Al-Si alloys	L. Zuo,
74	Effect of cold deformation on the paint-baking response of Al-Mg-Si alloy sheet for automotive body	N. Tian Pan, C. J.J. Wa Zhao, L C.M. Li
75	Deformability of eutectic Al-Si	T. Hon

	alloys produced by semi-continuously DC casting during hot-rolling	Zhao, M F.X. Yu
76	Effects of Co addition on crystal structure, thermal stability and magnetic properties of Ni-Mn-Ga ferromagnetic shape memory alloys from first-principles calculations	J. Bai, Raulot, Zhang, Esling, Zhao, L
77	Texture evolution in nanocrystalline Fe induced by surface mechanical attrition treatment	W.Y. C W.P. T He, X. L. Zuo
78	Calculation methods to determine crystallographic elements based on electron diffraction orientation measurements by SEM/EBSD or TEM	Y.D. Zh Z.B. Li, Esling, Zhao, L
79	Effects of magnetic field intensity on microstructure and orientation of proeutectoid ferrite in Fe-C alloy	X.X. Zh Y.D. Zh S.J. Wa Esling, Zhao, L
80	Microstructures and mechanical properties of SiC-TiB ₂ composite prepared by pressureless sintering	X.Y. Yu Wang, H.Q. R
81	Microstructures and properties of hypoeutectic Al-Si alloy extruded in semi-solid state	D.Z. Z F.X. Yu K.Z. He
82	Effect of strain rate on the microstructural development in DC cast Al-15Si alloy	C.X. W F.X. Yu Zhao, L
83	The effect of artificial aging treatment on microstructure and	F. Liu, D.Z. Zh

	tensile properties of Al-12.7Si-0.7Mg alloy	Zuo
84	Hot deformation behavior and microstructure evolution of a DC cast hypereutectic Al-Si alloy	K.Z. He Yu, D.Z Zuo
85	Effects of vibrating flow by inclined plate on solute distribution and microstructural formation	R.G. Gu Zhao, C
86	Effects of microstructure on deformation and fracture behavior of Titanium alloys	L. Wan Y.Q. Zh Liu
87	Preparation and electrochemical behavior of Ca-P containing porous titania coating on TiNbZrFe alloy by micro-arc oxidation	L. Jin, Cui, X. Zhou, X
88	Microstructure and wear properties of laser in-site formation of TiB_x and TiC titanium composite coatings	J. Lian Liu, S.Y C.X. Re
89	1200°C合成 Mn_3O_4 - Fe_2O_3 体系的物相关系、结构和阳离子分布	王 蓉, 旭, 时 孙玉增 宝, 金 秦高梧 辉, 林
90	相场再结晶储能释放模型与显微组织演变的模拟研究	张宪刚 平, 吴
91	纳米结构14Cr-ODS铁素体钢的制备与微观结构	吕 铮, 阳, 张 谢 锐,
92	Mg-Zn-Ca系低Ca侧400°C相平衡研究	李洪晓 平, 马

		蒋敏,
93	长期时效对GH4169合金动态拉伸变形行为的影响	刘杨, 磊, 何冯飞, 东, 张
94	$Fe_{78}Si_9B_{13}$ 非晶磁粉芯工艺	唐坚, 增, 于宪勇
95	波浪形振动倾斜板半连续铸造半固态AZ91D镁合金	管仁国勇, 戴刘春明
96	新型定向凝固高温合金750℃抗热腐蚀性能	黄炎, 磊, 刘剑涛
97	1Cr18Ni9Ti不锈钢剪切变形诱发的表面纳米化	莫成刚刚, 武左良
98	强磁场对半无限Al/Cu固液扩散偶凝固组织的影响"	徐博, 平, 左冀成
99	半连续铸造Al-15Si合金热压缩变形流变应力行为	王春霞晓, 赵赵骧,
100	Co-W磁性薄膜应变对其有效磁晶各向异性性能的影响	秦高梧娜, 李玉平
101	铁水包顶底喷粉脱硫对比试验研究	周建安强, 战刘春明
102	Fe- Pt- Au三元系 950 ℃富 Fe角等温截面的研究	徐晓宁平, 李秦高梧
103	电镀锌板上复合硅烷膜的制备及性能	王雷, 升, 于安成强

104	应力集中对2024铝合金高周疲劳寿命的影响	刘常升 雄，杨 陈岁元
105	GH690合金拉伸变形行为的温度敏感性	王富强 磊，刘 朋，封
106	非晶 $\text{Fe}_{78}\text{Si}_9\text{B}_{13}$ 磁粉芯的制备及性能研究	唐 坚， 增，于 子坚
107	氮对马氏体不锈钢00Cr13Ni4Mo组织和性能的影响	马小平 军，王 秦 斌， 明，S. Subran
108	热镀锌钢表面乙烯基三乙氧基硅烷膜的腐蚀电化学行为	张旭明 明，黄 殷跃军 智
109	脉冲N离子束轰击对TiAlN膜层和W18Cr4V高速钢结合力的影响	吕树国 升，张
110	脉冲N离子束轰击对TiAlN膜层耐磨性的影响	吕树国 升，张
111	颗粒复合电沉积对材料表面粗糙度的影响	谭 勇， 升，于
112	镀锌板上丙烯酸树脂复合膜的制备和表征	王 雷， 升，安
113	固溶温度对新型Al-12.7Si-0.7Mg合金挤压材组织性能的影响	洪 涛， 平，田 刚，于 良
114	无取向硅钢表面纳米结构的渗硅行为	莫成刚 刚，黄 良
	抗辐照合金的发展与纳米结构ODS	吕 铮，

115	钢的抗辐照性能	
116	空冷高硅中碳低合金钢的组织与性能	苗隽, 刘军, 刘
117	无铬达克罗成膜物质的研究进展	张旭明明, 王殷跃军智
118	3%无取向硅钢薄板的表面纳米化结构与性能	莫成刚刚, 刘武保林
119	固溶温度对新型Al-12.7Si-0.7Mg合金挤压材组织性能的影响	洪涛, 田刚, 于左良
120	中子辐照引起的核反应堆压力容器钢中磷的晶间偏析	吕铮,

版

版权 © 2014 材料各向异性与织构教育部重点实验室网
[Joomla!](#)是遵循[GNU通用公共授权（第二版）](#)的自由软件
 汉化翻译及支持：[Joomla简体中文翻译小组](#)、[囧啦!中国](#)
[Joomla使用交流](#)欢迎访问：[Joomla交流（新浪微群）](#)

External links are provided for reference purposes. The Internet sites.

Template Design © [Joomla Templates](#) | GavickPro. All rights reserved.
[red](#) [blue](#) [brown](#) [green](#) [gray](#) [pink](#)

Framework logo

Login or [Register](#)

LOG IN

用户名

密码

记住我

登录

[忘记密码?](#)

[忘记用户名?](#)

