

中心教师近三年正式发表的教育教学研究论文汇总表

序号	作者	论文题目	刊物名称	发表时间
1	庄 娟 等	近代物理实验系列化教学模式探索	物理与工程	2014
2	常葆荣等	基于光时域反射仪的光纤损耗测试实验	实验技术与管理	2014
3	秦颖等	物理实验教学内容、方法和手段的深化改革	第八届全国高等学校物理实验教学研讨会论文集	2014
4	李淑凤等	基于教学的洛伦兹变换推导的探讨	物理与工程	2014
5	秦颖等	物理实验教学方法的研究与实践	物理与工程（增刊）	2013
6	秦颖等	液体旋光率测定的误差分析	大学物理实验（增刊）	2013
7	秦颖等	毛细管法测量表面张力系数测量精度的提高	实验科学与技术	2013
8	庄娟等	研究生近代物理实验课程改革探索	大学物理实验（增刊）	2013
9	庄娟等	“近代物理实验”课程的改革与探索	物理与工程（增刊）	2013
10	刘升光等	利用 X 射线拍摄劳厄斑研究 LiF 单晶体的内部结构	大学物理实验（增刊）	2013
11	李建东等	霍尔效应实验内容的扩展	大学物理实验（增刊）	2013
12	伏静丹	浅谈加强大学物理演示实验建设	大学物理实验（增刊）	2013
13	姚志等	椭圆法测量薄膜参数的实验改进	物理与工程	2013
14	奚衍斌	大学物理中引入研究性互动式情景教学模式的探索	2013 全国高等学校物理基础课程教育学术研讨会论文集《物理与工程》增刊	2013
15	余虹等	《离碰撞还有几秒钟？——一道习题引起的狭义相对论教学讨论》	《物理与工程》	2013
16	秦颖等	依托物理实验，探索大学生创新能力的培养模式	大连理工大学教育与教学研究论文集 第二十五期	2012
17	庄娟等	研究生近代物理实验教学模式探讨	物理与工程（增刊）	2012
18	刘艳红等	专业课课堂实践教学探索	教育教学论坛	2012
19	姚志等	多层膜巨磁电阻特性及电流最佳测量	物理实验	2012
20	秦颖等	依托物理实验，探索大学生创新能力的培养模式	大连理工大学学报社会科学版（增刊）	2012

近三年中心教师发表的主要科研论文汇总表

序号	作者	科研论文名称	杂志	时间
1	任春生	Atmospheric Pressure Plasma Jet in Ar and O ₂ /Ar Mixtures: Properties and High Performance for Surface Cleaning	Plasma Science and Technology	2014/01
2	边继明	ZnO films on transferable and low thermal resistance graphite substrate grown by ultrasonic spray pyrolysis	J. of Wuhan University of Technology-Materials Science	2014/06
3	边继明	Influence of Nitridation Time on the Characteristics of GaN Films Deposited on Ni Metal Substrate by ECR-MOCVD	Advanced Materials Research	2014/06
4	边继明	Structural and Optical Properties of VO ₂ Film Grown on Sapphire Substrate by Pulsed Laser Deposition	Advanced Materials Research	2014/06
5	边继明	A comparative study of intermediate layers for the growth of high crystalline GaN films on amorphous glass substrates with low-temperature ECR-PEMOCVD	Materials Science in Semiconductor Processing	2014/04
6	边继明	Growth of high c-orientated crystalline GaN films on amorphous Cu/glass substrates with low-temperature ECR-PEMOCVD	Journal of Materials Science: Materials in Electronics	2014/02
7	边继明	Ultra-low threshold optically pumped random laser emission behavior of highly oriented pyrolytic graphite	Materials Letters	2014/04
8	边继明	Low-temperature growth of high c-orientated crystalline GaN films on amorphous Ni/glass substrates with ECR-PEMOCVD	Journal of Alloys and Compounds	2014/01
9	边继明	石墨衬底上低维 ZnO 纳米材料的生长	无机材料学报	2014/01
10	姜雪宁	Synthesis and properties of Sm ³⁺ -deficient Sm _{1-x} BaCo ₂ O _{5+δ} perovskite oxides as cathode materials	Int J Hydrogen Energy	2014/06
11	姜雪宁	Percolation network in resistive switching devices with the structure of silver/amorphous silicon/p-type silicon	Applied Physics Letters	2014/01
12	戴忠玲	Effect of reactant transport on the trench profile evolution for silicon etching in chlorine plasmas	Vacuum	2014/01
13	戴忠玲	Simulation of Capacitively Coupled Dual-frequency N ₂ , O ₂ , N ₂ /O ₂ Discharges: Effects of External Parameters on Plasma Characteristics	Plasma Science and Technology	2014/04
14	秦颖	β-Cez 钛合金强流脉冲电子束表面改性的数	材料热处理学报	2014/01

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15	贾莉	A diffuse plasma generated by bipolar nanosecond pulsed dielectric barrier discharge in nitrogen	THE EUROPEAN PHYSICAL JOURNAL D	2014/05
16	刘永新	Experimental investigations of electron density and ion energy distributions in dual-frequency capacitively coupled plasmas for Ar/CF ₄ and Ar/O ₂ /CF ₄ discharges	JOURNAL OF APPLIED PHYSICS	2014/01
17	李雪春	Numerical simulation of plasma immersion ion implantation on the inner surface of acylindrical dielectric target	Surface & Coatings Technology	2013/01
18	王文春	Comparison of atmospheric air plasmas excited by high-voltage nanosecond pulsed discharge and sinusoidal alternating current discharge	Journal of Applied Physics	2013/10
19	王文春	Processes of Raising Voltage and Reducing Voltage in Needle-Plate Dielectric Barrier Discharge	IEEE TRANSACTION S ON PLASMA SCIENCE	2013/09
20	王文春	An uniform DBD plasma excited by bipolar nanosecond pulse using wire-cylinder electrode configuration in atmospheric air	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2013/10
21	孙继忠	Numerical simulation of the bubble growth due to hydrogen isotopes inventory processes in plasma-irradiated tungsten	Journal of Nuclear Materials	2013/11
22	孙继忠	低能氢粒子沿不同角度轰击钨(001)表面的反射概率及入射深度分布的分子动力学研究	物理学报	2013/11
23	任春生	Time-Resolved Observation of Self-Organized Pattern in an Atmospheric Pressure Dielectric-Barrier Discharges Plasma Jet	IEEE TRANSACTION S ON PLASMA SCIENCE	2013/12
24	边继明	Carrier transport mechanisms of n-ZnO/ZnMgO/p-GaN heterojunctions revealed by temperature-dependent current-voltage characteristics	Materials Science in Semiconductor Processing	2013/12
25	边继明	Synthesis of SiO ₂ /β-SiC/graphite hybrid composite by low temperature hot filament chemical vapor deposition	Applied Physics Letters	2013/10
26	庄娟	Numerical simulation of particle densities distributions in atmospheric pressure	Gaodianya Jishu/High	2013/09

		Ar/SiH ₄ /H ₂ mixed plasma under very high frequency excitation	Voltage Engineering	
27	秦福文	Low temperature synthesis of GaN films on ITO substrates by ECR-PEMOCVD	Vacuum	2013/06
28	姜雪宁	Scandium-doped PrBaCo _{2-x} Sc _x O _{6-δ} oxides as cathode material for intermediate-temperature solid oxide fuel cells	Int J Hydrogen Energy	2013/08
29	姜雪宁	Structure and properties of layered-perovskite LaBa _{1-x} Co ₂ O _{5+δ} (x=0-0.15) as intermediate-temperature cathode material	Journal of Power Sources	2013/04
30	王艳辉	The transition mechanism from a symmetric single period discharge to a period-doubling discharge in atmospheric helium dielectric-barrier discharge	Phys. Plasmas	2013/06
31	王艳辉	Numerical simulation of torus breakdown to chaos in an atmospheric pressure dielectric barrier discharge.	Phys. Plasmas	2013/08
32	王艳辉	Sub-microsecond Pulsed Atmospheric-pressure Glow Discharge with Bare Metal Electrodes	Hing Voltage Engineering	2013/10
33	贾莉	The influencing factors of nanosecond pulse homogeneous dielectric barrier discharge in air	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2013/08
34	李雪春	Effect of Duty Cycle on the Characteristics of Pulse-Modulated Radio-Frequency Atmospheric Pressure Dielectric Barrier Discharge	Plasma Science and Technology	2012/12
35	孙继忠	Molecular Dynamics Simulation of energy exchanges between single hydrogen and graphite(001)	Acta physica sinica	2012/04
36	孙继忠	Molecular Dynamics Simulation of Energetic Hydrogen Isotopes Bombarding the Crystalline Graphite(001)	Acta physica sinica	2012/05
37	王文春	Experimental rearrch of diffuse bi-directional pulsed dielectric barrier discharge plasma	Journal of electrostatics	2012/05
38	任春生	Investigations on an atmospheric dielectric barrier discharge plasma jet with a concentric wire-mesh cylinder electrode configuration	IEEE Trans. Plas. Sci.	2012/05
39	姜雪宁	Highly enhanced electrochemical performance of PrBa _{0.92} Co ₂ O _{5+δ} cathode by introducing Ba cationic- deficiency	International Journal of Hydrogen Energy	2012/03

40	姜雪宁	A comparative study of electrochemical performance of $\text{La}_{0.5}\text{Ba}_{0.5}\text{CoO}_{3-\delta}$ and $\text{La}_{0.5}\text{Ba}_{0.5}\text{CoO}_{3-\delta}$ - $\text{Gd}_{0.1}\text{Ce}_{0.9}\text{O}_{1.95}$ cathodes	International Journal of Hydrogen Energy	2012/02
41	姜雪宁	Structural stability and high-temperature electrical properties of cation-ordered/disordered perovskite LaBaCoO	Materials Chemistry and Physics	2012/01
42	夏晓川	Dominant UV emission from p-MgZnO/n-GaN light emitting diodes	OPTICAL MATERIALS EXPRESS	2012/01
43	姚志	355nm 激光光电离甲醛飞行时间质谱的研究	物理学报	2012/01