



电力设备电气绝缘国家重点实验室

STATE KEY LABORATORY OF ELECTRICAL INSULATION AND POWER EQUIPMENT

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2009年SCI收录论文

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1	A comparative study of Cr ₇ C ₃ , Fe ₃ C and Fe ₂ B in cast iron both from ab initio calculations and experiments	JOURNAL OF PHYSICS D- APPLIED PHYSICS	2009, 42(11): 1-16	Xiao B, Xing JD, Feng J, Zhou CT, Li YF, Su W, 谢小军, 成永红	SCI: 448GE EI: 20093812321233
2	A novel fiber-reinforced polyethylene composite with added silicon nitride particles for enhanced thermal conductivity	COMPOSITES PART A- APPLIED SCIENCE AND MANUFACTURING	2009, 40(6): 830-836	周文英, 王彩凤, Ai Tao, Wu Ke, Zhao Fenjuan, Gu Hongzhi	SCI: 465KF EI: 20092312112426
3	An accurate fault location algorithm for parallel transmission lines using one-terminal data	INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS	2009, 31(2-3): 124-129	宋国兵, 索南加乐, Ge YZ	SCI: 417GH EI: 20090711908985
4	AN APPLICATION OF COMPLEX WAVELETS FOR HIGH FREQUENCY SWITCHING NOISE DETECTION	JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS	2009, 18(1): 97-102	陈文洁, 杨旭, 王兆安	SCI: 423IY EI: 20091812065647
5	An Experimental Study of Common- and Differential-Mode Active EMI Filter Compensation Characteristics	IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY	2009, 51(3): 683-691	陈文洁, Zhang Weiping, 杨旭, Sheng Zhiyong, 王兆安	SCI: 485WB EI: 20093712292809
6	APPLICATION OF KERNEL PARTIAL LEAST SQUARE FEATURE EXTRACTION TO QUANTITATIVE ANALYSIS OF FTIR SPECTROSCOPY OF MULTI-COMPONENT GAS MIXTURE	JOURNAL OF INFRARED AND MILLIMETER WAVES	2009, 28(2): 115-118	Hao Hui-Min, Qiao Cong-Ming, Tang Xiaojun, Liu Juhua	SCI: 443IZ
7	Application of Particle Swarm Optimization Algorithm in Infrared Spectrum Quantitative Analysis of Gas Mixture	SPECTROSCOPY AND SPECTRAL ANALYSIS	2009, 29(5): 1276-1280	Li Yujun, Tang Xiaojun, Liu Junhua	SCI: 441GA
8	Application of Wavelets and Auto-Correlation-Function For Cancellation of High-Frequency EMI Noise	APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL	2009, 24(3): 326-330	陈文洁, 杨旭, 王兆安	SCI: 459VN
9	Bacteria Inactivation Using DBD Plasma Jet in Atmospheric Pressure	PLASMA SCIENCE & TECHNOLOGY	2009, 11(1): 83-88	许桂敏, 张冠军, 石兴	SCI: 409GR EI:

科学研究

科研项目

科研成果

① 获奖成果

② 科技论文

③ 专利

	Argon				20091912074673
10	Characteristics of SF ₆ Switch with a Small Gap under High Pressure and Nanosecond Pulse	PLASMA SCIENCE & TECHNOLOGY	2009, 11(2): 216-219	汤俊萍, 邱爱慈, Bo Haiwang, Dong Qinxiao, He Xiaoping	SCI: 429WN EI: 20091912074681
11	Critical Radius of Axial Magnetic-Field Contacts in Vacuum Interrupters	IEEE TRANSACTIONS ON POWER DELIVERY	2009, 24(2): 672-678	刘志远, Wang Zhongyi, Zheng Yuesheng, 王季梅	SCI: 431VS EI: 20091912074126
12	Comparison of Vacuum Arc Behaviors for Slot-Type Axial Magnetic Field Contacts With and Without Iron Plates	IEEE TRANSACTIONS ON PLASMA SCIENCE	2009, 37(8): 1458-1468	刘志远, 王东, 荣命哲, 王季梅, Wang Quan	SCI: 481PA EI: 20093612288741
13	Dynamic process of high-current vacuum arc with consideration of magnetic field delay: numerical simulation and comparisons with the experiments	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2009, 42(6): 1-8	杨鼎革, 王立军, 贾申利, HuoXintao, 张玲, 刘科, 史宗谦	SCI: 413WU EI: 20091512024218
14	Expanded Graphite-Epoxy Composites with High Dielectric Constant	JOURNAL OF APPLIED POLYMER SCIENCE	2009, 112(6): 3613-3619	谢云川, 于德梅, MinChao, 郭秀生, 万炜涛, Zhang Jing, Liang HongLu	SCI: 436NY EI: 20091612032722
15	Experimental investigation of load behaviour of an industrial scale ball mill using noise and vibration technique	Minerals Engineering	2009, 22(15): 1289-1298	司刚全, 曹晖, 张彦斌, 贾立新	SCI: 520MN EI: 20094212384254
16	Experimental Investigation on the Influence of Axial Magnetic Field Distribution on Resisting the Constriction of a High-Current Vacuum Arc	PLASMA SCIENCE & TECHNOLOGY	2009, 11(3): 290-292	史宗谦, 刘志刚, 贾申利, 宋晓川, 王立军	SCI: 459GL
17	Experimental Study on Multigap Multichannel Gas Spark Closing Switch for LTD	IEEE TRANSACTIONS ON PLASMA SCIENCE	2009, 37(7): 1318-1323	刘轩东, 孙凤举, Liang Tianxue, Jiang Xiaofeng, 张乔根, 邱爱慈	SCI: 467TD EI: 20093212241455
18	Experimental Study on Synchronous Discharge of Ten Multigap Multichannel Gas Switches	IEEE TRANSACTIONS ON PLASMA SCIENCE	2009, 37(10): 1943-1947	刘轩东, Jiang Xiaofeng, 孙凤举, Liang Tianxue, 张乔根, 邱爱慈	SCI: 508RA
19	Ferromagnetic Material Effects on Air Arc Behavior	IEEE TRANSACTIONS ON PLASMA SCIENCE	2009, 37(3): 463-469	李兴文, 李瑞, Sun Hao, 吐松江·卡日, 陈德桂	SCI: 420MX EI: 20091512018272
20	Flashover Characteristic of Epoxy Composites Filled With Different Micro-Inorganic Oxide Particles Under Nanosecond Pulse in Vacuum	IEEE TRANSACTIONS ON PLASMA SCIENCE	2009, 37(1): 195-203	陈玉, 成永红, 吴锴, Nelson J. Keith, Dissado Leonard A, 李盛涛	SCI: 392UJ EI: 090511883387
21	Hopf bifurcation and chaos from torus breakdown in voltage-mode controlled DC drive systems	CHAOS SOLITONS & FRACTALS	2009, 41(2): 1027-1033	戴栋, 马西奎, Zhang Bo, Tse Chi K.	SCI: 462TO EI: 20092312109912
22	Hopf bifurcation in doubly fed induction generator under vector control	CHAOS SOLITONS & FRACTALS	2009, 41(5): 2741-2749	Yang Lihui, 马西奎, 戴栋	SCI: 476RF EI: 20092712168186
23	Influence of magnetic field parallel to the arc on the formation of carbon nano-materials by arc discharge in water	CARBON	2009, 47(8): 2131-2133	邢岗, 贾申利, 史宗谦	SCI: 456OG EI: 20092012082064
	Influence of Pulse Steepness on			陈玉, 成永红, 王增	

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25	Investigation of economic feasibility of different rules of insulation diagnosis	IEEE Transactions on Dielectrics and Electrical Insulation	2009, 16(3): 909-916	吴 锴, 曹 雯, 高明刚, 申 巍, Okamoto Tatsuki	SCI: 458PE EI: 20093112232014
26	Measurement and simulation of partial discharge in oil impregnated pressboard with an electrical aging process	MEASUREMENT SCIENCE & TECHNOLOGY	2009, 20(10): 1-7	李军浩, 司文荣, 姚 秀, 李彦明	SCI: 495FB EI: 20094412412117
27	Microstructure and flexural property of CaCO ₃ whisker reinforced epoxy composite material	Materials Science Forum	2009, (620/622): 433-436	刘 鹏, 石惠承, 金海云, 高乃奎, 彭宗仁	EI: 20094012357492
28	Modelling and predicting of a switched reluctance motor drive using radial basis function network-based adaptive fuzzy system	IET ELECTRIC POWER APPLICATIONS	2009, 3(3): 218-230	Liang D., Ding W.	SCI: 464AP EI: 20091512026856
29	Modelling and simulation of anode activity in high-current vacuum arc	JOURNAL OF PHYSICS D- APPLIED PHYSICS	2009, 42(14): 145203	王立军, 贾申利, 杨鼎革, 刘 科, 苏国磊, 史宗谦	SCI: 470AN EI: 20093912333598
30	Monte Carlo Simulation of Surface-Charging Phenomena on Insulators Prior to Flashover in Vacuum	IEEE TRANSACTIONS ON PLASMA SCIENCE	2009, 37(5): 698-704	于开坤, 张冠军, 郑 楠, Raitses, Yevgeny Fisch, Nathaniel J	SCI: 443UQ EI: 20092312113434
31	New Method to Model the Equivalent Circuit of the Pulse Generator in Electrical Fast Transient/Burst Test	IEICE TRANSACTIONS ON ELECTRONICS	2009, E92C(8): 1052-1057	翟小社, 耿英三, 王建华, 宋政湘, 陈德桂	SCI: 492IJ
32	Numerical simulation of high-current vacuum arc characteristics under combined action of axial magnetic field and external magnetic field from bus bar	PHYSICS OF PLASMAS	2009, 16(10):	王立军, 贾申利, Liu Ke, Wang Lihuo, 史宗谦	SCI: 513YK EI: 20094612452639
33	Optimization of magnetic sensor arrays for current measurement based on swarm intelligence and D-optimality	COMPEL-THE INTERNATIONAL JOURNAL FOR COMPUTATION AND MATHEMATICS IN ELECTRICAL AND ELECTRONIC ENGINEERING	2009, 28(5): 1179-1190	Zhang Z., Di Rienzo L.	SCI: 499HW EI: 20094512420142
34	Pressure Contact Interconnection for High Reliability Medium Power Integrated Power Electronic Modules	JOURNAL OF POWER ELECTRONICS	2009, 9(4): 544-552	杨 旭, 陈文洁, He Xiaoyu, Zeng Xiangjun, 王兆安	SCI: 474EM
35	Simulation and Analysis for a Permanent Contactor with and without Current-Feedback System	IEICE TRANSACTIONS ON ELECTRONICS	2009, E92C(8): 1040-1044	陈德桂, 刘颖异, JiLiang, 纽春萍	SCI: 492IJ
36	Simulation of Arc Motion in Air Switching Devices Taking Ferromagnetic Material into Account	PLASMA SCIENCE & TECHNOLOGY	2009, 11(2): 245-249	李兴文, 吐松江.卡日, 陈德桂, Sun Haitao, Xie Ensheng	SCI: 429WN EI: 20091912074687
37	Simulation of the Influences of the Pressure Ratio and Cu Vapour on SF ₆ Arc Characteristics	PLASMA SCIENCE & TECHNOLOGY	2009, 11(1): 52-56	Zhang Jian, 贾申利, 李兴文, 史宗谦, 王立军	SCI: 409GR EI: 20091912072013
38	Simulation Study of the Influence of Wall Ablation on Arc Behavior in a Low-Voltage Circuit Breaker	IEEE TRANSACTIONS ON PLASMA SCIENCE	2009, 37(1): 261-169	马 强, 荣命哲, Murphy Anthony B, 吴 翊, 徐铁军	SCI: 392UJ EI: 20090511883394
39	Study on an Audible Noise Reduction Measure for the Filter Capacitors in the HVDC Converter Station Based on the MPP Absorber	IEEE TRANSACTIONS ON POWER DELIVERY	2009, 24(4): 1756-1762	吴 鹏, 汲胜昌, Cao Tao, 李彦明, Li Xiaolin, Li Yan	SCI: 498KV EI: 20094412412117

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42	The Estimation of the Current-Density Distribution in a Moving Arc Root Using the ART Algorithm	IEEE TRANSACTIONS ON PLASMA SCIENCE	2009, 37(7): 1311-1317	徐铁军, 荣命哲, 吴翊, 马强, 王小华	SCI: 467TD EI: 20093212241454
43	The Influence of Axial Magnetic Field Distribution on High-Current Vacuum Arc	IEEE TRANSACTIONS ON PLASMA SCIENCE	2009, 37(8): 1446-1451	史宗谦, 贾申利, 宋晓川, Liu Zhigang, Dong Hong, 王立军	SCI: 481PA EI: 20093612288739
44	The Influence of Axial-Magnetic-Field Distribution on the Initial Expansion Process in Triggered Vacuum Arc	IEEE TRANSACTIONS ON PLASMA SCIENCE	2009, 37(8): 1452-1457	史宗谦, 贾申利, Dong Hong, Liu Zhigang, Song Xiaochuan, 王立军	SCI: 481PA EI: 20093612288740
45	The influence of electrode erosion on the air arc in a low-voltage circuit breaker	JOURNAL OF APPLIED PHYSICS	2009, 106(2): 023308	荣命哲, 马强, 吴翊, 徐铁军, Murphy Anthony B.	SCI: 478UE EI: 20093312253563
46	Thermal, Dielectric, and Mechanical Properties of SiC Particles Filled Linear Low-Density Polyethylene Composites	JOURNAL OF APPLIED POLYMER SCIENCE	2009, 112(3): 1695-1703	周文英, 于德梅, Min Chao, FuYinping, GuMusheng	SCI: 419VH EI: 20091612038486
47	Toughened Epoxy Resin Matrix for a Membrane Shell by Wet Filament Winding	JOURNAL OF APPLIED POLYMER SCIENCE	2009, 111(1): 255-263	周文英, Qi SH, Ai T, Zhao HZ, Zhang MT, Li WQ, Lau E	SCI: 375ZN EI: 20090311859346
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49	Properties of vacuum cast CuCr ₂₅ and CuCr ₂₅ Te contact material	TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA	2009, 19(Sp. Iss. 2): S444-S447	修士新, Yang R, Xue J, Wang JX	SCI: 517HK
50	EXPERIMENTAL VERIFICATION OF A FOUR-DIMENSIONAL CHUA'S SYSTEM AND ITS FRACTIONAL ORDER CHAOTIC ATTRACTORS	INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS	2009, 19(8): 2473-2486	Liu L, 刘崇新, 张彦斌	SCI: 515ML
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52	CaCu ₃ Ti ₄ O(12)陶瓷的微观结构及直流导电特性	物理学报	2009, 58(9): 6376-6380	杨雁, 李盛涛	SCI: 498QE
53	核偏最小二乘特征提取在混合气体FTIR光谱定量分析中的应用	红外与毫米波学报	2009, 28(2): 115-118	郝惠敏, 乔聪明, 汤晓君, 刘君华	SCI: 443IZ EI: 20092012082833
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59	Fabrication and properties of machinable SiC/h-BN Nano-composites	JOURNAL OF CERAMIC PROCESSING RESEARCH	2008, 9(6): 630-633	金海云, 高乃奎, 彭宗仁, 乔冠军, Gao JQ	SCI: 401CO
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61	Thermal stimulated current in sandwiched Al ₂ O ₃ single crystal samples	ACTA PHYSICA SINICA	2008, 57(12): 7783-7788	李盛涛, 成鹏飞, 李建英	SCI: 407UM

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