

## 厦门市电子陶瓷材料与元器件重点实验室2017年度发表论文

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序号	论文名称	作者	刊物名称	刊号	发表时间	是否被SCI\EI收录
1	Structure and photoluminescence of polymer-derived Pr-doped SiAlON red phosphor	Cheng Xuan* (程璇)	Ceramics International	0272-8842	2017	SCI
2	Enhanced quantum efficiency with magnisium doping in europium-containing silicon oxynitride phosphor	Cheng Xuan* (程璇)	Ceramics International	0272-8842	2017	SCI
3	A simple facile preparation of methyltriethoxysilane based flexible silica aerogel monoliths	Cheng Xuan* (程璇)	Materials Letters	0167-577X	2017	SCI
4	A quantitative comparison between double glass photovoltaic modules using halved-size cells and demisemi-size cells	Luo Xue-Tao* (罗学涛)	IEEE Journal of Photovoltaics	2156-3381	2017	SCI
5	Transition metal phosphonates with pyridyl-based phosphonic acids: synthesis	Luo Xue-Tao* (罗学涛)	Journal of Coordination Chemistry	0095-8972	2017	SCI
6	Synthesis of silicate-1 monolith and its catalytic application	Luo Xue-Tao* (罗学涛)	Journal of Porous Materials	1380-2224	2017	SCI
7	Preparation and dielectric properties of SiO <sub>2</sub> /silicate-1 ceramics	Luo Xue-Tao* (罗学涛)	Journal of Porous Materials	1380-2224	2017	SCI
8	Corrosion behavior of crystalline silicon solar cells	Luo Xue-Tao* (罗学涛)	Microelectronics Reliability	0026-2714	2017	SCI
9	Fabrication of SiO <sub>2</sub> @silicalite-1 and its use as a catalyst support	Luo Xue-Tao* (罗学涛)	RSC Advances	2046-2069	2017	SCI
10	MOF-derived Co/ZnO@silicalite-1 photocatalyst with high photocatalytic activity	Luo Xue-Tao* (罗学涛)	RSC Advances	2046-2069	2017	SCI
11	Improved removal of boron from metallurgical-grade Si by CaO-SiO <sub>2</sub> -CaCl <sub>2</sub>	Luo Xue-Tao* (罗学涛)	Vacuum	0042-207X	2017	SCI

	slag refining with intermittent CaCl <sub>2</sub> addition					
12	Preparation and Characterization of Silicate-1@Kaolin Clay Ceramic with Different Na <sup>+</sup> Concentration	Luo Xue-Tao* (罗学涛)	Water Air and Soil Pollution	0049-6979	2017	SCI
13	Ultrahigh-Field Mg-25 NMR and DFT Study of Magnesium Borate Minerals	Mi Jin-Xiao* (宓锦校)	ACS Earth and Space Chemistry	2472-3452	2017	SCI
14	SiCNO-GO composites with the negative temperature coefficient of resistance for high temperature sensor applications	Yu Yu-Xi* (余煜玺)	Journal of the American Ceramic Society	0002-7820	2017	SCI
15	Microstructural Evolution and Migration Mechanism Study in a Eutectic Sn-37Pb Lap Joint Under High Current Density	Zhang Zhi-Hao* (张志昊)	JOURNAL OF ELECTRONIC MATERIALS	0361-5235	2017	SCI
16	Long-term Field Corrosion Monitoring in Supporting Structures of China Xiamen Xiangnan Subsea Tunnel	Cheng Xuan* (程璇)	Acta Metallurgica Sinica-English Letters	1006-7191	2017	SCI
17	Structural diversities induced by cation sizes in a series of fluorogermanophosphates: A(2) [GeF <sub>2</sub> (HPO <sub>4</sub> )(2)] (A = Na, K,Rb,NH <sub>4</sub> and Cs)	Huang Ya-Xi* (黄雅熙)	Dalton Transactions	1477-9226	2017	SCI
18	Synthesis crystal structures and luminescence properties of two metal carboxyphosphonates	Li Jing-Tang* (李锦堂)	Journal of Solid State Chemistry	0022-4596	2017	SCI
19	Immobilizing of ZIF-8 derived ZnO with controllable morphologies on zeolite A for efficient photocatalysis	Li Jing-Tang* (李锦堂)	Journal of Solid State Chemistry	0022-4596	2017	SCI
20	A thermodynamic model for the formation of bubble defects in multicrystalline silicon ingot	Luo Xuetao* (罗学涛)	Applied Thermal Engineering	1359-4311	2017	SCI
21	Formation and Orientational Distribution of Cracks Induced by Electromagnetic Induction Soldering in Silicon Solar Cells	Luo Xuetao* (罗学涛)	IEEE Journal of Photovoltaics	2156-3381	2017	SCI
22	Hydrometallurgical Purification of Metallurgical Grade Silicon with Hydrogen Peroxide in Hydrofluoric Acid	Luo Xuetao* (罗学涛)	Industrial & Engineering Chemistry Research	0888-5885	2017	SCI
23	Novel Ag@nitrogen-doped porous carbon composite with high electrochemical performance as anode electrode for lithium-ion batteries	Luo Xuetao* (罗学涛)	Nano-micro Letters	2311-6706	2017	SCI
24	A New Steady and Water-insoluble Polytungstate: Synthesis, Structure, Characterizations and Photocatalytic Properties	Mi Jin-Xiao* (宓锦校)	Chinese Journal of Structural Chemistry	0254-5861	2017	SCI
25	Strong spin frustration and negative magnetization in LnCu <sub>3</sub> (OH) <sub>6</sub> Cl <sub>3</sub> (Ln = Nd and Sm) with triangular lattices: the effects of lanthanides	Mi Jin-Xiao* (宓锦校)	Dalton Transactions	1477-9226	2017	SCI

26	KB(PO4)F: a novel acentric deep-ultraviolet material	Mi Jin-Xiao* (宓锦校)	Dalton Transactions	1477-9226	2017	SCI
27	Synthesis, Structure, Characterizations and Photocatalytic Degradation of a New POM-Based Hybrid Compound: (Hdma)4Cd(phen)3[W18O54(PO4)2] 2H2O	Mi Jin-Xiao* (宓锦校)	Journal of Cluster Science	1040-7278	2017	SCI
28	Canted antiferromagnetism in KNi3[PO3(FOH)]2[PO2(OH)2]F2 with a stair-case Kagome lattice	Mi Jin-Xiao* (宓锦校)	Journal of Solid State Chemistry	0022-4596	2017	SCI
29	A wearable pyroelectric nanogenerator and self-powered breathing sensor	Xue Hao* (薛昊)	Nano Energy	2211-2855	2017	SCI
30	Fabrication of Multi-Scale Microstructured SiCNO Films via Block Copolymer Microphase-Separation Approaches	Yu Yu-Xi* (余煜玺)	International Journal of Smart Engineering		2017	SCI
31	Structure and thermal properties of millimeter-scale alumina aerogel beads formed by a modified ball dropping method	Yu Yu-Xi* (余煜玺)	RSC Advances	2046-2069	2017	SCI
32	Single-source-precursor synthesis microstructure and high temperature behavior of TiC-TiB2-SiC ceramic nanocomposites	Yu Zhao-Ju (余兆菊)	Ceramic International	0272-8842	2017	SCI
33	Single-source-precursor derived RGO/CNTs-SiCN ceramic nanocomposite with ultra-high electromagnetic shielding effectiveness	Yu Zhao-Ju* (余兆菊)	Acta Materialia	1359-6454	2017	SCI
34	Polymer-derived mesoporous Ni/SiOC(H) ceramic nanocomposites for efficient removal of acid fuchsin	Yu Zhao-Ju* (余兆菊)	Ceramic International	0272-8842	2017	SCI
35	Single-source-precursor synthesis and electromagnetic properties of novel RGO-SiCN ceramic nanocomposites	Yu Zhao-Ju* (余兆菊)	Journal of Materials Chemistry C	2050-7526	2017	SCI
36	Role of single-source-precursor structure on microstructure and electromagnetic properties of CNTs-SiCN nanocomposites	Yu Zhao-Ju* (余兆菊)	Journal of the American Ceramic Society	0002-7820	2017	SCI
37	Simulations of statistical domain switching model of PIC151 based on self-adaptive differential evolution algorithm	Zhang Sa* (张飒)	Computational Materials Science	0927-0256	2017	SCI
38	Piezoelectric performance optimization of the PMN-PT based on self-adaptive differential evolution algorithm	Zhang Sa* (张飒)	Computational Materials Science	0927-0256	2017	SCI
39	Electromigration-induced growth mode transition of anodic Cu6Sn5 grains in Cu/SnAg3.0Cu0.5/Cu lap-type interconnects	Zhang Zhi-Hao* (张志昊)	Journal of Alloys and Compounds	0925-8388	2017	SCI
40	The effect of the surface electrode distributions on domain structures of ferroelectric thin films	Zhou Zhi-Dong (周志东)	AIP Advances	2158-3226	2017	SCI

41	Electromechanical coupling in piezoelectric nanobeams due to the flexoelectric effect	Zhou Zhi-Dong (周志东)	Smart Materials and Structures	0964-1726	2017	SCI
42	多孔硅形成过程中的晶态转变	程璇*	硅酸盐学报	0454-5648	2017	SCI
43	Long-term Field Corrosion Monitoring in Supporting Structures of China Xiamen Xiang'an Subsea Tunnel	Chao-Yang Gong(龚朝阳)	Acta Metall. Sin. (Engl. Lett.)	1006-7191	2017	SCI
44	Galvanic Effect Between Galvanized Steel and Carbon Fiber Reinforced Polymers	Zheng, Da-Jiang(郑大江)	Acta Metallurgica Sinica-English Letters	1006-7191	2017	SCI
45	Multifunctional inhibition based on layered double hydroxides to comprehensively control corrosion of carbon steel in concrete	Zheng, Da-Jiang(郑大江)	Corrosion Science	0010-938X	2017	SCI
46	A state-of-the-art review on passivation and biofouling of Ti and its alloys in marine environments	Zheng, Da-Jiang(郑大江)	Journal of Materials Science and Technology	1005-0302	2017	SCI
47	In situ dynamic tracking of heterogeneous nanocatalytic processes by shell-isolated nanoparticle-enhanced Raman spectroscopy	Hua Zhang (张华)	Nature Commun.	2041-1723	2017	SCI
48	Revealing the Role of Interfacial Properties on Catalytic Behaviors by in Situ Surface-Enhanced Raman Spectroscopy	Hua Zhang (张华)	J. Am. Chem. Soc.	0002-7863	2017	SCI
49	Plasmon enhanced quantum dots fluorescence and energy conversion in water splitting using shell-isolated nanoparticles	Hua Zhang (张华)	Nano Energy	2211-2855	2017	SCI
50	In situ electrochemical surface-enhanced Raman spectroscopy study of CO electrooxidation on PtFe nanocatalysts	Hua Zhang (张华)	Electrochem. Commun.	1388-2481	2017	SCI
51	Quantitative detection using two-dimension shell-isolated nanoparticle film	Hua Zhang (张华)	J. Raman Spectrosc.	0377-0486	2017	SCI
52	Highly stable and methanol tolerant RuTe <sub>2</sub> /C electrocatalysts in alkaline media	Cheng Xuan* (程璇)	ECS Transactions	1938-5862	2017	EI
53	Enhanced Ru utilization with high stability of (Ru <sub>x</sub> Co <sub>y</sub> )Se <sub>2</sub> /C electrocatalyst toward oxygen reduction reaction	Cheng Xuan* (程璇)	ECS Transactions	1938-5862	2017	EI
54	Microwave preparation and electrocatalytic activity of nitrogen doped carbon nanotubes supported Ru <sub>85</sub> Se <sub>15</sub> nanoparticles	Cheng Xuan* (程璇)	ECS Transactions	1938-5862	2017	EI
55	Rheological Measurement of In Situ Preheating Polycarbosilane Melt	Zhang Ying* (张颖)	Key Engineering Materials	1662-9795	2017	EI
56	Determining Zero Shear Viscosity of Polycarbosilane Melts	Zhang Ying* (张颖)	Key Engineering Materials	1662-9795	2017	EI

57	Formation mechanism and reliability of Cu 6 Sn 5 textures formed in-between liquid Sn and (111)/(001) Cu single crystals	Zhang Zhi-Hao* (张志昊)	In Electronic Packaging Technology (ICEPT)		2017	EI
58	Preparation and characterization of nano bismuth titanate powders with high reflectivity in near-infrared waveband	Zhou Zhong-Hua* (周忠华)	Materials Science and Engineering		2017	EI
59	Effect of Micron-Scale SiO <sub>2</sub> Surface Coating on the Strength of Chemically Strengthened Glass	Zhou Zhong-Hua* (周忠华)	Materials Science Forum		2017	EI
60	硅氧碳纳米镶嵌复合薄膜的氧空位形成与散热基板封装	姚荣迁*	功能材料	1001-9731	2017	EI
61	高球形度、高比表面积SiO <sub>2</sub> /TiO <sub>2</sub> 气凝胶小球的制备和表征	余煜玺*	材料工程	1001-4381	2017	EI
62	从掺钕钇铝石榴石晶体中回收稀土	余煜玺*	中国稀土学报	1000-4343	2017	EI

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