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师资队伍

材料学院

当前位置：首页 师资队伍 在职教师 按学院分类 材料学院

在职教师

按字母分类

按学院分类

讲客座教授

名师介绍

博士研究生导师

硕士研究生导师



姓名：顾媛娟

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课题组网站

Professor (Materials Science)

B.Sc. Nanjing University of Science and Technology (1990)

Ph.D. Northwestern Polytechnical University (1995)

Postdoc, Sichuan University (1995-1997)

Postdoc, National Chiao Tung University (1998-1999)

Research Interests

High performance polymers

Polymeric composites

Organic-inorganic hybrids/nanocomposites

学历及学术经历:

1990年7月毕业于南京理工大学，获工学学士学位；分别于1993年2月、1995年10月毕业于西北工业大学材料科学与工程系，获工学硕士和博士学位；1995-1999年在四川大学、台湾交通大学从事博士后研究。1997年、2006年、2007年分别取得副教授、教授和博士生导师资格。先后主持国家自然科学基金项目、国家重大科技专项、省自然科学基金、航天支撑基金及重大横向项目十余项；在发表SCI论文170余篇；出版专著3部；获中国发明专利授权107项，有4项成果获得省（部）级科技进步一、三等奖。2008年入选江苏省高校“青蓝工程”中青年学术带头人培养对象，2009年入选江苏省“六大人才高峰”项目。

研究领域:

高性能高分子材料

树脂基复合材料

有机-无机杂化材料/纳米复合材料。

Representative Publications

1. Binghao Wang, Limei Liu, Lizhen Huang, Guozheng Liang. Fabrication and origin of high-k carbon nanotube/epoxy composites with low dielectric loss through layer-by-layer casting technique. CARBON, 2015, 85: 28-37.
2. Wang, Tongxing; Liang, Guozheng; Yuan, Li; Unique hybridized graphene and its high dielectric constant composites with enhanced frequency stability, low dielectric loss and percolation threshold. CARBON, 2014, 77: 920-932.
3. Jin, Wenqin; Yuan, Li; Liang, Guozheng. Multifunctional cyclotriphosphazene/hexagonal boron nitride hybrids and their flame retarding bismaleimide resins with high thermal conductivity and thermal stability. ACS APPLIED MATERIALS & INTERFACES 2014, 6: 14931-14944.
4. Xiaoling Zhu, Li Yuan, Guozheng Liang, Aijuan Gu. Unique UV-resistant and surface active aramid fibers with simultaneously enhanced mechanical and thermal properties by chemically coating $Ce_{0.8}Ca_{0.2}O_{1.8}$ having low photocatalytic activity. JOURNAL OF MATERIALS CHEMISTRY A 2014, 2: 11286-11298.
5. Zhiyong Zhang; Li Yuan, Guozheng Liang, Aijuan Gu. Unique hybridized carbon nanotubes and their high performance flame retarding composites with high smoke suppression, good toughness and low curing temperature. JOURNAL OF MATERIALS CHEMISTRY A 2014, 2: 4975-4988.
6. Xiangxiu Chen, Juhua Ye, Li Yuan, Guozheng Liang, Aijuan Gu. Multi-functional ladderlike polysiloxane: synthesis, characterization and its high performance flame retarding bismaleimide resins with simultaneously improved thermal resistance, dimensional stability and dielectric properties. JOURNAL OF MATERIALS CHEMISTRY A 2014, 2: 7491-7501.

7. Yicheng Jiao, Li Yuan, Guozheng Liang, Aijuan Gu. Facile preparation and origin of high-k carbon nanotube/poly(Ether Imide)/bismaleimide composites through controlling the location and distribution of carbon nanotubes. *JOURNAL OF PHYSICAL CHEMISTRY C* 2014, 118: 24091-24101.
8. Chen, Xiangxiu, Guozheng Liang, Aijuan Gu, Li Yuan. Flame retarding cyanate ester resin with low curing temperature, high thermal resistance, outstanding dielectric property, and low water absorption for high frequency and high speed printed circuit boards. *INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH* 2015, 54: 1806-1815.
9. Hongrui Zhang, Li Yuan, Guozheng Liang, Aijuan Gu. Effect and origin of the structure of hyperbranched polysiloxane on the surface and integrated performances of grafted Kevlar fibers. *APPLIED SURFACE SCIENCE* 2014, 320: 883-894.
10. Zhixiang Qiang, Liang, Guozheng; Gu, Aijuan. The dielectric behavior and origin of high-k composites with very low percolation threshold based on unique multi-branched polyaniline/carbon nanotube hybrids and epoxy resin. *COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING* 2014, 64: 1-10.
11. Qiang, Zhixiang; Li Yuan, Guozheng Liang, Aijuan Gu. The interaction between unique hyperbranched polyaniline and carbon nanotubes, and its influence on the dielectric behavior of hyperbranched polyaniline/carbon nanotube/epoxy resin composites. *JOURNAL OF NANOPARTICLE RESEARCH* 2014, 16: 2391