

## 2022年材料科学与工程学院博士生“申请-考核”材料通过名单公示

序号	报名号	姓名	申请专业	申请导师	英语水平	科研成果	备注
1	1141599314	陈博利	材料科学与工程	吴小文	六级433	[1] $\beta$ -Ga <sub>2</sub> O <sub>3</sub> 单晶制备工艺的研究进展。功能材料, 2021, 52(1). [2] preparation and photoluminescence properties of CaSc <sub>2</sub> O <sub>4</sub> : Eu <sup>3+</sup> red phosphor for white LEDs. Journal of Materials Science: Materials in Electronics. 2022.3.30在投 (under review), IF=2.478. [3] One-step Synthesis of t-ZrO <sub>2</sub> from Zircon Using Magnesium-calcium Minerals as Stabilizers. Ceramics International, 2022.4.24在投(required reviews completed), IF=4.527.	须在2022年5月31日前online, 否则取消录取资格
2	1141599152	陈通	材料科学与工程	黄洪伟	外语水平测试51	[1] A honeycomb multilevel structure Bi <sub>2</sub> O <sub>3</sub> with highly efficient catalytic activity driven by bias voltage and oxygen defect, APPLIED CATALYSIS B-ENVIRONMENTAL. 2018, 237: 442-448.SCI, IF=19.503 [2] Recent advances on Bi <sub>2</sub> WO <sub>6</sub> -based photocatalysts for environmental and energy applications, CHINESE JOURNAL OF CATALYSIS. 2021, 42(9): 1413-1438, SCI, IF=8.271.	
3	1141599107	陈尧	材料科学与工程	安琪	六级447	latest development and versatile applications of highly integrating drug delivery patch. European polymer journal, 2022.4.1online, IF=4.598.	
4	1141599880	范家航	材料科学与工程	黄朝晖	六级446	[1] Evaluation of the morphology and pore characteristics of silica refractory using X-ray computed tomography, CERAMICS INTERNATIONAL. 2021, 47(13): 18084-18093, SCI, IF=4.527. [2] Properties of both Chinese silica brick and silica raw material, IRONMAKING & STEELMAKING. 2022.1.20 online, SCI, IF=1.679.	
5	1141599884	胡斌	材料科学与工程	吕国诚	六级479	Development of microcellular thermoplastic polyurethane honeycombs with tailored elasticity and energy absorption via CO <sub>2</sub> foaming. INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES. 2021, 197, 106324, SCI, IF=5.329.	

6	1141599796	姜秋实	材料科学与工程	张以河	六级488	<p>[1] Controllable growth of MoS<sub>2</sub> nanosheets on TiO<sub>2</sub> burst nanotubes and their photocatalytic activity, RSC ADVANCES. 2020, 10(67): 40904-40915, SCI, IF=3.361.</p> <p>[2] Preparation and photocatalytic properties of ZnO nano-crack tube in TiO<sub>2</sub> micro-burst tube by soaking and calcination after electrospinning, MATERIALS LETTERS. 2021, 287, 129272, SCI, IF=3.423.</p> <p>[3] Preparation of 3D porous microstructural nano-TiO<sub>2</sub> photocatalyst with high efficiency based on Spilosoma niveus wings, MATERIALS CHEMISTRY AND PHYSICS. 2021, 266, 124519, SCI, IF=4.094.</p> <p>[4] TiO<sub>2</sub> thin-walled nanofiber burst tube doped with Fe<sub>2</sub>O<sub>3</sub> nanograss for efficient degradation of levofloxacin: effect of precursor, NANOTECHNOLOGY. 2021, 32(49), 495605, SCI, IF=3.874.</p> <p>[5] Preparation and properties of floral CaO/ZnO composite from Achatina fulica snail shell, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH. 2021, 28(43): 61841-61847, SCI, IF=4.223.</p> <p>[6] Adsorption properties of heavy metals and antibiotics by chitosan from larvae and adult Trypoxylus dichotomus, CARBOHYDRATE POLYMERS. 2022, 276, 118735, SCI, IF=9.381.</p> <p>[7] NH<sub>2</sub>-MIL-125 (Ti)/biochar fibers for enhanced direct dyes adsorption, JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING. 2021, 9(6), 106636, SCI, IF=5.909.</p> <p>[8] Controlled preparation and photocatalytic performance of TiO<sub>2</sub>/ZnO phase-mixed nanotubes-based nano-spheres, MATERIALS CHEMISTRY AND PHYSICS. 2022, 279, 125737, SCI, IF=4.094.</p> <p>[9] Low-cost magnetic clay derivants from palygorskite/MIL-101(Fe) for high-performance adsorption-photocatalysis, Applied Clay Science. 2022, 218, 106427, SCI, IF=5.467.</p> <p>[10] Amino-functionalized polyacrylonitrile/bentonite composite membranes for effective decontamination of Pb<sup>2+</sup> and Congo Red, Separation and Purification Technology. 2022, 287, 120606, SCI, IF=7.312.</p> <p>[11] Enhanced visible-light photocatalytic performance of ZIF-8-derived ZnO/TiO<sub>2</sub> nano-burst-tube by solvothermal system adjustment, Journal of Water Process Engineering. 2022.4.6 online, SCI, IF=5.485.</p>
7	1141599855	蒋迪	材料科学与工程	吕国诚	六级428	<p>[1] Synthesis of 3D flower-like hierarchical NiCo-LDH microspheres with boosted electrochemical performance for hybrid supercapacitors, INORGANIC CHEMISTRY FRONTIERS. 2021, 8(19): 4324-4333, SCI, IF=6.569.</p> <p>[2] Preparation of Flower-like Nickel-Based Bimetallic Organic Framework Electrodes for High-Efficiency Hybrid Supercapacitors, CRYSTALS. 2021, 11(11), SCI, IF=2.589.</p>
8	1141599841	景锐森	材料科学与工程	吕凤柱	外语水平测试49.5	Construction of PDPA functionalized black phosphorus nanosheets/BiOI Z-scheme photocatalyst with enhanced visible light photocatalytic activity, JOURNAL OF COLLOID AND INTERFACE SCIENCE. 2020, 576: 34-46, SCI, IF=8.128.

9	1141599379	李金洋	材料科学与工程	邓雁希	六级438	Direct Z-scheme TiO <sub>2</sub> -x/AgI heterojunctions for highly efficient photocatalytic degradation of organic contaminants and inactivation of pathogens, SEPARATION AND PURIFICATION TECHNOLOGY. 2021, 261, 118306, SCI, IF=7.312.	
10	1141599617	李文峰	材料科学与工程	吕国诚	六级465	[1] Graphene oxide-promoted Ti/PbO <sub>2</sub> photoanode with photoelectric synergy effect for efficient photoelectrocatalytic degradation of reactive brilliant blue, JOURNAL OF MATERIALS SCIENCE. 2021, 56(7): 4741-4752, SCI, IF=4.22. [2] Fabrication and photoelectrocatalytic performance of C <sub>3</sub> N <sub>4</sub> -modified Ti/PbO(2)anode with surface hydrophobicity, JOURNAL OF SOLID STATE ELECTROCHEMISTRY. 2020, 24(7): 1577-1585, SCI, IF=2.647. [3] Co <sub>3</sub> O <sub>4</sub> Decorated Ti/TiO <sub>2</sub> Nanotubes for Photogenerated Cathodic Protection of 304 Stainless Steel, CHEMICAL RESEARCH IN CHINESE UNIVERSITIES. 2021, 37(3): 704-710, SCI, IF=1.307.	
11	1141599125	梁绍杰	材料科学与工程	安琪	六级437	oxygen vacancy-dependent catalytic activity of highly dispersed sub-3 nm CoO nanoparticles for oxygen reduction reaction. acs applied nano materials, 2022.3.24 在投(under consideration), IF=5.079.	须在2022年5月31日前online, 否则取消录取资格
12	1141599996	刘念	材料科学与工程	梅乐夫	六级425	Coefficient of performance at maximum chi-criterion of thermochemical refrigerators with near-independent particles, PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. 2018, 511, 182-190, SCI, IF=3.263. 主持安徽省教育厅重点项目: 光子晶体对稀土离子荧光调控问题的研究。	
13	1141599833	刘庆欣	材料科学与工程	胡应模	六级542	[1] A novel functional coating with 2DMts/SA phase change material as filler and its pavement temperature regulation performance, MATERIALS LETTERS. 2022, 306, 130905, SCI, IF=3.423. [2] Study on preparation and mechanism of organic montmorillonite with different functional groups, AIP ADVANCES. 2022.4.4 online, SCI, IF=1.548. [3] Development of two-dimensional nano Mts/SA phase change materials for self-adjusting temperature of pavement. CONSTRUCTION AND BUILDING MATERIALS, 2021.12.22在投(under review), IF=6.141	
14	1141599189	刘权	材料科学与工程	郑红	六级437	[1] High Visible Light Photocatalytic Activity of SnO <sub>2</sub> -x Nanocrystals with Rich Oxygen Vacancy, EUROPEAN JOURNAL OF INORGANIC CHEMISTRY. 2021, 2021(42): 4370-4376, SCI, IF=2.524. [2] 自掺杂SnO <sub>2</sub> 微球的水热合成及其可见光催化性能。人工晶体学报, 2022, 51(1): 139-147,	

15	1141599573	刘宇坤	材料科学与工程	丁浩	六级453	Co-solvent-assisted sintering and thermal stability investment of BaMgAl10O17:Eu2+ by cationic substitution, OPTICAL MATERIALS. 2021, 122, 111717, SCI, IF=3.08.	
16	1141599129	陆思宇	材料科学与工程	郑红	六级446	[1] highly efficient removal of malachite green from water by ZnO/NiO/CeO2 nanocomposite. Applied nanoscience, 2022.2.22在投, IF=3.674. [2] production of ZnO/CoOx-CeO2 nanocomposites and their dye removal performance from wastewater by adsorption-photocatalysis, chemcatchem, 2022.3.12在投(submitted), IF=5.686.	须在2022年5月31日前online, 否则取消录取资格
17	1141599859	马智焯	材料科学与工程	郑红	雅思5.5	[1] Preparation and Photocatalytic Performance of B,N-SnO2/TiO2 Photocatalyst, ACTA CHIMICA SINICA. 2021, 79(9): 1173-1179, SCI, IF=2.668. [2] 一种可见光响应的B,N共掺杂SnO2/TiO2前驱体及其制备方法和应用。ZL 202010339315.4, 2020年8月3日。发明专利	
18	1141599804	孟凯月	材料科学与工程	吴小文	外语水平测试43	Efficient Adsorption of the Cd(II) and As(V) Using Novel Adsorbent Ferrihydrite/Manganese Dioxide Composites, ACS OMEGA. 2019, 4(20): 18627-18636, SCI, IF=3.512.	
19	1141599821	彭恒星	材料科学与工程	胡应模	六级529	Hierarchical nanostructure with ultrafine MoO3 particles-decorated Co(OH)(2) nanosheet array on Ag nanowires for promoted hydrogen evolution reaction, CHEMICAL ENGINEERING JOURNAL. 2022, 429, 132477, SCI, IF=13.273.	
20	1141599734	任茜	材料科学与工程	刘金刚	六级525	[1] Preparation of adipic acid-polyoxypropylene diamine copolymer and its application for toughening epoxy resins, COMPOSITES PART B-ENGINEERING. 2017, 119: 32-40 (2017.6.15), SCI, IF=9.078. [2] 一种性能优异的透明聚酰亚胺薄膜及其制备方法, ZL 202011347905.8, 2021年5月11日。发明专利 [3] 一种透明聚酰亚胺薄膜及其制备方法, ZL 201810841797.6, 2020年9月15日。发明专利	
21	1141599846	帅欢	材料科学与工程	丁浩	六级458	[1] Black Talc-Based TiO2/ZnO Composite for Enhanced UV-Vis Photocatalysis Performance, MATERIALS. 2021, 14(21), 6474, SCI, IF=3.623. [2] Preparation of TiO2/Black Talc Composite Photocatalyst and the Research on Its Adsorption-Degradation Coupling Effects, MATERIALS. 2021, 14 (20), 6038, SCI, IF=3.623. [3] Preparation of ZnO/Brucite Functional Composite Powder by the Mechanochemical Method, FRONTIERS IN MATERIALS. 2021, 8, 801003, SCI, IF=3.515. [4] TiO2-C@硅藻土复合光催化剂的制备及其光催化性能研究。功能材料, 2020, 51(12): 12215-12220. [5] 电石渣制备纳米碳酸钙中浸出与碳化工艺研究。非金属矿, 2018, 41(05): 4-6.	

22	1141599824	田晓然	材料科学与工程	吕凤柱	六级452	[1] Fabrication of plasmonic cotton gauze-Ag composite as versatile SERS substrate for detection of pesticides residue, SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY. 2021, 257, 119766, SCI, IF=4.098. [2] Surface-enhanced Raman scattering of flexible cotton fiber-Ag for rapid adsorption and detection of malachite green in fish, SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY. 2021, 263, 120174, SCI, IF=4.098.	
23	1141599686	王宁宁	材料科学与工程	郑红	雅思5.5	Robust, Lightweight, Hydrophobic, and Fire-Retarded Polyimide/MXene Aerogels for Effective Oil/Water Separation, ACS APPLIED MATERIALS & INTERFACES. 2019, 11(43): 40512-40523, SCI, IF=9.229.	
24	1141599582	王启凯	材料科学与工程	白志民	六级435	The synthesis of newly developed Li (1-x-y) Na x K y YF 4:Yb 3+/Er 3+and its excellent upconversion properties, OPTICAL MATERIALS. 2020, 108, 110164, SCI, IF=3.08.	
25	1141599832	王也晨	材料科学与工程	安琪	六级439	[1] Trace Amount of NiP2 Cooperative CoMoP Nanosheets Inducing Efficient Hydrogen Evolution, ACS OMEGA. 2021, 6(48), 33057-33066, SCI, IF=3.512. [2] Efficient Self-Supported Bifunctional NiMo Alloy Electrocatalysis for Water Splitting in Alkaline Environment. ChemistrySelect, 2022.4.21 accept, IF=2.109.	
26	1141599937	王祎迪	材料科学与工程	张娜	六级508	Photocatalysis in alkali activated cementitious materials, JOURNAL OF BUILDING ENGINEERING. 2022, 46, 103749, SCI, IF=5.318.	
27	1141599519	王振中	材料科学与工程	刘金刚	六级450	一种无色透明共聚酰胺-酰亚胺膜及其制备方法。ZL 202011579745.X, 2021年8月3日。发明专利	
28	1141599585	徐鑫	材料科学与工程	邓雁希	六级474	[1] Study On Mineralogical Characteristics and Quality Evaluation of Omphacite Gemstone, FRESENIUS ENVIRONMENTAL BULLETIN, 2022, 31(01), 249-257, SCI, IF=0.489. [2] Cu2O骸晶的制备及其光催化性能探讨。功能材料, 2021, 52(07): 7143-7148+7157.	
29	1141599865	杨晨光	材料科学与工程	刘艳改	六级453	introducing cation disorder to enhance thermal stability in LuY3(BO3)4: Eu3+ phosphors for pc-WLEDs, optical materials, 2022.4.14 在投(under review), IF=3.08.	须在2022年5月31日前online, 否则取消录取资格
30	1141599564	杨航	材料科学与工程	陈代梅	雅思5.5	Hollow Co3O4 dodecahedrons with controlled crystal orientation and oxygen vacancies for the high performance oxygen evolution reaction. MATERIALS CHEMISTRY FRONTIERS. 2021, 5(1): 259-267, SCI, IF=6.482.	

31	1141599784	杨慧芳	材料科学与工程	梅乐夫	六级429	<p>[1] Improvement of the thermal stability of bluish-cyan emitting phosphor <math>Y_2MgAl_4SiO_{12}:Eu^{2+}</math> using substitution cations (Zn, Ca, Sr) for white LEDs, CRYSTENGCOMM. 2021.11 online, SCI, IF=3.545.</p> <p>[2] Structural modulation designed a thermally robust blue-cyan emitting phosphor <math>Y_2Mg_{0.8}Sr_{0.2}Al_4SiO_{12}:Eu^{2+}</math> for the high color rendering index white LEDs, OPTICS LETTERS. 2020, 46(22), 5639-5642, SCI, IF=3.776.</p>	
32	1141599922	杨梦瑶	材料科学与工程	黄朝晖	六级465	<p>[1] Kinetics and Mechanism of Oxidation Induced Contraction of <math>MgAl_2O_4</math> Spinel Carbon Composites Reinforced by <math>Al_4C_3</math> in situ Reaction, JOURNAL OF WUHAN UNIVERSITY OF TECHNOLOGY-MATERIALS SCIENCE EDITION. 2020, 35(4): 778-785, SCI, IF=0.957.</p> <p>[2] In situ formation mechanism of aluminum oxycarbonitride in the unoxidized zone of Al-<math>Al_2O_3</math> composites, CERAMICS INTERNATIONAL. 2021, 47(16): 22949-22956, SCI, IF=4.527.</p>	
33	1141599995	余俞堂	材料科学与工程	黄洪伟	六级487	<p>[1] Soft-template assisted construction of superstructure <math>TiO_2/SiO_2/g-C_3N_4</math> hybrid as efficient visible-light photocatalysts to degrade berberine in seawater via an adsorption-photocatalysis synergy and mechanism insight, APPLIED CATALYSIS B-ENVIRONMENTAL. 2020, 268, 118751, SCI, IF=19.503.</p> <p>[2] Adsorption-photocatalysis synergistic removal of contaminants under antibiotic and Cr(VI) coexistence environment using non-metal <math>g-C_3N_4</math> based nanomaterial obtained by supramolecular self-assembly method, JOURNAL OF HAZARDOUS MATERIALS. 2021, 404(A), 124171, SCI, IF=10.588.</p> <p>[3] Synergistic adsorption-photocatalytic degradation of different antibiotics in seawater by a porous <math>g-C_3N_4</math>/calcined-LDH and its application in synthetic mariculture wastewater, JOURNAL OF HAZARDOUS MATERIALS. 2021, 416, 126183, SCI, IF=10.588.</p>	
34	1141599457	郁香	材料科学与工程	郑红	六级436	Transition-Metal-Modified Vanadoborate Clusters as Stable and Efficient Photocatalysts for $CO_2$ Reduction, INORGANIC CHEMISTRY, 2021, 60(10): 7364-7371, SCI, IF=5.165.	

35	1141599423	张青青	材料科学与工程	李金洪	六级481	<p>[1] Study on preparation and printing evaluation of composite aromatic expansion microsphere ink. EI会议论文: 11th China academic conference on printing and packing, CACPP 2020.</p> <p>[2] 石蜡@SiO<sub>2</sub>储能相变微胶囊的制备及印刷应用。数字印刷, 2021, (3): 85-91.</p> <p>[3] EI接收未见刊: Preparation and Properties of High Coating Rate Phase Change Insulation Microcapsules. 会议论文lecture notes in electrical engineering, 2021.8.30接受</p> <p>[4] SCI在投: Construction of visible light absorption heat storage slurry using phase change microcapsules for solar thermal utilization[J]. Applied Surface Science. 2022.3.3在投(editor assigned), IF=6.707.</p> <p>[5] EI在投: 复合型微胶囊的制备及油墨化应用[J].材料导报.2021.10.29评审</p>	须在2022年5月31日前online, 否则取消录取资格
36	1141599095	张有鹏	材料科学与工程	张娜	六级442	Surface modification of silica micro-powder by titanate coupling agent and its utilization in PVC based composite, CONSTRUCTION AND BUILDING MATERIALS, 2021, 307, 124933, SCI, IF=6.141.	
37	1141599137	赵全有	材料科学与工程	佟望舒	六级473	<p>[1] Piezoelectric polarization assisted WO<sub>3</sub>/CdS photoanode improved carrier separation efficiency via CdS phase regulation, INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. 2021, 46(73): 36113-36123, SCI, IF=5.816.</p> <p>[2] The collaborative mechanism of surface S-vacancies and piezoelectric polarization for boosting CdS photoelectrochemical performance, Chemical Engineering Journal. 2022, 433(2), 133226, SCI, IF=13.273.</p>	
38	1141599818	朱兵	材料科学与工程	刘艳改	六级464	ZnOHF/N-doped carbon hybrids as a novel anode material for enhanced lithium storage, JOURNAL OF ALLOYS AND COMPOUNDS. 2021, 889, 161705, SCI, IF=5.316.	
39	1141599951	朱欣宇	材料科学与工程	房明浩	六级472	<p>[1] Preparation of full tailings-based foam ceramics and auxiliary foaming effect of vanadium-titanium magnetite tailings, JOURNAL OF NON-CRYSTALLINE SOLIDS. 2021, 571, 121063, SCI, IF=3.531.</p> <p>[2] Investigating the performance of oxalic acid for separating bastnaesite from calcium-bearing gangue minerals based on experiment and theoretical calculation, MINERALS ENGINEERING. 2021, 170, 107047, SCI, IF=4.765.</p> <p>[3] Adsorption of ferric ions on the surface of bastnaesite and its significance in flotation, MINERALS ENGINEERING. 2020, 158, 106588, SCI, IF=4.765.</p>	