

2023年材料科学与工程学院博士进入考核名单公示-申请考核制

| 序号 | 考生编号            | 姓名  | 专业名称    | 导师  | 英语水平  | 科研成果   | 报考类别 |
|----|-----------------|-----|---------|-----|-------|--|------|
| 1  | 114153100000162 | 孙敏  | 材料科学与工程 | 于翔  | 六级499 | 1. Defect Formation Mechanism and Performance Study of Laser Cladding Ni/Mo Composite Coating. Coatings, 2021, 11(12), Article 1460.SCI<br>2. Effects of Laser Power of Transition Layer on Microstructure Evolution and Wear-Resisting Self-Lubrication Behavior of Ni/Mo Composite Coating Prepared on Copper. J. of Materi Eng and Perform (online: 29 March 2023). SCI   | 非定向  |
| 2  | 114153100000762 | 刘亦菲 | 材料科学与工程 | 房明浩 | 六级485 | 1. Eu <sup>2+</sup> -activated MgAl <sub>2</sub> Si <sub>4</sub> O <sub>6</sub> N <sub>4</sub> : a novel oxonitridoalumosilicate blue phosphor for white LEDs. Dalton Transactions, 2022, 51(43), 16639-16647. SCI<br>2. Synthesis and photoluminescence properties of Eu <sup>2+</sup> -doped olivine Mg <sub>2</sub> SiO <sub>4</sub> blue-emitting phosphor for plant growth. J Mater Sci: Mater Electron 34, 209 (online: 20 January 2023).SCI   | 非定向  |
| 3  | 114153100000221 | 王江鹏 | 材料科学与工程 | 胡应模 | SCI   | 1. Defective g-C <sub>3</sub> N <sub>4</sub> /covalent organic framework van der Waals heterojunction toward highly efficient S-scheme CO <sub>2</sub> photoreduction. Applied Catalysis B-Environmental, 2022, 301, Article 120814.SCI<br>2. TiO <sub>2</sub> /BiOBr 2D-2D heterostructure via in-situ approach for enhanced visible-light photocatalytic N <sub>2</sub> fixation. Applied Surface Science,,2021, 567, Article 150623. SCI<br>3. Nanotubular TiO <sub>2</sub> with Remedied Defects for Photocatalytic Nitrogen Fixation. Journal of Physical Chemistry C,,2020, 124(2), 1253-1259. SCI(等同英语水平) | 非定向  |
| 4  | 114153100000712 | 张旭旭 | 材料科学与工程 | 张以河 | SCI   | 1. High-performance supercapacitors enabled by boron/nitrogen co-doped carbons through WPU/PF/GO composite. Ionics 26, 4053-4065 (2020). SCI<br>2. One-step carbonization production of B/N co-doped carbon from polyurethane/phenolic/GO composite for supercapacitors. J Mater Sci: Mater Electron 31, 715-727 (2020).SCI(等同英语水平)  | 非定向  |
| 5  | 114153100000856 | 杨淑洁 | 材料科学与工程 | 闵鑫  | 六级469 | 1. In situ characterization of lithium-metal anodes. Journal of Materials Chemistry A, 10(35), 17917-17947, 2022. SCI<br>2. 层状KxMnO <sub>2</sub> 基钾离子电池正极材料的研究现状及发展趋势[J]. 中国科学: 化学, 2022,52 (12) : 2156-2167中文核心   | 非定向  |
| 6  | 114153100000818 | 张晓磊 | 材料科学与工程 | 田娜  | 六级490 | Surface cationic and anionic dual vacancies enhancing photocatalytic activity of Bi <sub>2</sub> WO <sub>6</sub> . Applied Surface Science, 602 (2022) 154311. SCI   | 非定向  |
| 7  | 114153100000754 | 王振中 | 材料科学与工程 | 刘金刚 | 六级450 | 1. 一种超高模量高透光率聚酰亚胺薄膜及制备方法和用途[P].ZL202110893327.6, 2022-08-30.发明专利<br>2. 一种无色透明共聚酰胺-酰亚胺膜及其制备方法[P]. ZL202011579745.X,2021-08-03.发明专利  | 非定向  |

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| 8  | 114153100000014 | 吴兆桀 | 材料科学与工程 | 梅乐夫 | 六级439 | 1. High-sensitivity luminescent thermometer based on $\text{Mn}^{2+}/\text{Sm}^{3+}$ dual-emission centers in double-perovskite tellurate, <i>Ceram. Int.</i> , 48 (2022):27664-27671. SCI<br>2. Designing bifunctional platforms for LED devices and luminescence lifetime thermometers: a case of non-rare-earth $\text{Mn}^{2+}$ doped tantalate phosphors, <i>Dalton Trans.</i> , 51 (2022): 9062-9071. SCI<br>3. High-sensitivity and wide-temperature-range dual-mode optical thermometry under dual-wavelength excitation in a novel double perovskite tellurate oxide, <i>Dalton Trans.</i> , 50 (2021):11412-11421. SCI   | 非定向 |
| 9  | 114153100000091 | 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. <i>Acs Applied Materials &amp; Interfaces</i> , 11(43), 40512-40523. 2019. SCI  | 非定向 |
| 10 | 114153100000080 | 康晗  | 材料科学与工程 | 梅乐夫 | 六级427 | 1. Fluorescent strengthening effect of co-doped inert rare earth ions ( $\text{La}^{3+}$ , $\text{Gd}^{3+}$ , $\text{Lu}^{3+}$ ) on white-light-emitting of $\text{Eu-Tb}(\text{btc})$ coordination polymers. <i>Journal of Luminescence</i> , 247, Article 118904.2022. SCI<br>2. A novel lanthanide metal-organic frameworks: Multi-responsive luminescent sensor for detecting organic compounds and pesticides. <i>Journal of Solid State Chemistry</i> , 306, Article 122723.2021. SCI<br>3. Detection of antibiotics at in situ temperature by Rhodamine B encapsulated in terbium-based metal-organic frameworks. <i>Optical Materials</i> , 136, Article 113491..2023. SCI   | 非定向 |
| 11 | 114153100000370 | 李超  | 材料科学与工程 | 张娜  | 六级461 | C-A-S-H gel and pore structure characteristics of alkali-activated red mud-iron tailings cementitious mortar, <i>Materials</i> , 2022,15,112, SCI  | 非定向 |
| 12 | 114153100000452 | 贾鹏伟 | 材料科学与工程 | 黄洪伟 | 六级489 | 1. Achieving excellent photocatalytic degradation of pollutants by flower-like $\text{SrBi}_4\text{Ti}_4\text{O}_{15}/\text{BiOCl}$ heterojunction: The promotion of piezoelectric effect. <i>Separation and Purification Technology</i> , 299 (2022) 121769. SCI<br>2. Piezoelectricity-enhanced photocatalytic degradation performance of $\text{SrBi}_4\text{Ti}_4\text{O}_{15}/\text{Ag}_2\text{O}$ p-n heterojunction. <i>Separation and Purification Technology</i> , 305 (2023) 122457. SCI<br>3. A dual optimization approach for photoreduction of $\text{CO}_2$ to alcohol in g- $\text{C}_3\text{N}_4/\text{BaTiO}_3$ system: Heterojunction construction and ferroelectric polarization. <i>Applied Surface Science</i> , 602 (2022) 154310. SCI<br>4. Ferroelectric polarization promotes the excellent $\text{CO}_2$ photoreduction performance of $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ synthesized by molten salt method. <i>Journal of Alloys and Compounds</i> , 920 (2022) 165880. SCI<br>5. The achieving enhanced piezoelectric performance of KNN-based ceramics: Decisive role of multi-phase coexistence induced by lattice distortion. <i>Journal of Alloys and Compounds</i> , 930 (2023) 167416. SCI<br>6. Enhanced piezoelectric properties of $(1-x)(\text{K}-0.5,\text{Na}-0.5)(\text{Nb}0.97\text{Sb}0.03)\text{O}-3-x(\text{Bi}0.5\text{Ca}0.5)\text{ZrO}_3$ ceramics through the establishment of polymorphic phase boundary. <i>Journal of Alloys and Compounds</i> , 890 (2021) 161799. SCI | 非定向 |

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|----|-----------------|-----|---------|-----|-------|--|-----|
| 13 | 114153100000156 | 石铁  | 材料科学与工程 | 丁浩  | 六级431 | Construction of interface electric field by electrostatic self-assembly: enhancing the photocatalytic performance of 2D/2D Bi <sub>12</sub> O <sub>17</sub> Cl <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> nanosheets. Journal of Materials Science-Materials in Electronics, 33(2022), 17522-17534.SCI  | 非定向 |
| 14 | 114153100000313 | 张琴琴 | 材料科学与工程 | 李金洪 | 六级426 | 1. Preparation of three-dimensional ordered macroporous Ag/LaFeO <sub>3</sub> and heterogeneous photo-Fenton degradation of penicillin G potassium. Environmental Technology. Online: 22 Aug 2022.SCI<br>2. 钙钛矿型光催化材料的应用现状及进展[J].精细化工,2022,39(12):2398-2408+2480.中文核心<br>3.3DOM La <sub>0.4</sub> Ce <sub>0.6</sub> FeO <sub>3</sub> 可见光催化剂的制备及非均相光芬顿催化协同降解亚甲基蓝[J].石油化工,2022,51(09):1026-1037.中文核心   | 非定向 |
| 15 | 114153100000945 | 范冰冰 | 材料科学与工程 | 张以河 | 六级447 | 1. Biomass-Derived N/O/P Tri-Doped Hierarchically Porous Carbon with a Wider Potential Window for Flexible Energy Storage Devices. Journal of the Electrochemical Society, 168(10), 2021, 100534. SCI<br>2. Composite micelle induced biomass self-assembly into N, S co-doped hierarchical porous carbon spheres with tunable properties for energy storage. Journal of the Taiwan Institute of Chemical Engineers, 141, 2022, 104606. SCI  | 非定向 |
| 16 | 114153100000850 | 赵蕴璞 | 材料科学与工程 | 周熠  | 六级438 | 1. Selective adsorption and photocatalytic degradation of chlortetracycline hydrochloride using a La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> /acid-modified coal-bearing strata kaolinite composite. Applied Surface Science, 609 (2023) 155489.SCI<br>2. Heterostructure coal-bearing strata kaolinite/MnFe <sub>2</sub> O <sub>4</sub> composite for activation of peroxydisulfate to efficiently degrade chlortetracycline hydrochloride. Colloids and Surfaces a-Physicochemical and Engineering Aspects, 643 (2022) 128789.SCI<br>3. Synthesis of bismuth oxyiodide/kaolinite composite with enhanced photocatalytic activity. Journal of Physics and Chemistry of Solids, 161 (2022) 110424.SCI<br>4. 高岭石基复合材料在光催化领域应用的研究进展[J].人工晶体学报,2022,51(01):170-184.中文核心                                 | 非定向 |
| 17 | 114153100000636 | 刘博文 | 材料科学与工程 | 吕国诚 | 六级451 | 1. High performance bio-based gelatinized starch-furanic resin derived foam reinforced by microcrystalline cellulose. Industrial Crops and Products, 194 (2023) 116282.SCI<br>2. Formaldehyde Free Renewable Thermosetting Foam Based on Biomass Tannin with a Lignin Additive. Journal of Renewable Materials, 10(11), 2022, 3009-3024. SCI<br>3. Formaldehyde free tannin-based adhesive with epoxy as hardener for plywood, Maderas. Ciencia y tecnología, 2022, 24, 33<br>4. 单宁-糠醇-乙二醛共缩聚树脂泡沫的制备[J].林业工程学报,2022,7(04):107-114.中文核心<br>5. 木材工业用淀粉胶粘剂的研究进展[J].中国胶粘剂,2021,30(10):53-61.中文核心<br>6. 生物基单宁树脂砂轮切割片的制备[J].西北林学院学报,2021,36(06):230-236+253. 中文核心<br>7. Research progress on the health benefits of scented tea. intechopen,2022. 专著<br>8. 淀粉泡沫的制备与性能研究应用基础研究. 云南省教育厅科学研究基金项目. 2022 (2022Y553) | 非定向 |

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| 18 | 114153100000392 | 赵繁月 | 材料科学与工程 | 胡应模 | 六级431 | 1. Unraveling Electron-deficient Setaria-viridis-like Co <sub>3</sub> O <sub>4</sub> @MnO <sub>2</sub> heterostructure with superior photoelectrocatalytic efficiency for water remediation. Applied Surface Science, 573 (2022) 151473.SCI<br>2. Constructing S-scheme Co <sub>3</sub> O <sub>4</sub> -C <sub>3</sub> N <sub>4</sub> catalyst with superior photoelectrocatalytic efficiency for water purification. Applied Materials Today, 26 (2022) 101390.SCI  | 非定向 |
| 19 | 114153100000541 | 郑光超 | 材料科学与工程 | 郑红  | 六级436 | A κ-Carrageenan-Containing Organohydrogel with Adjustable Transmittance for an Antifreezing, Nondrying, and Solvent-Resistant Strain Sensor. Biomacromolecules 2022, 23, 11, 4872–4882. SCI  | 非定向 |
| 20 | 114153100000442 | 姜雪  | 材料科学与工程 | 田娜  | SCI   | 1. Thorny hydrangea-like SnIn <sub>4</sub> S <sub>8</sub> /Mn <sub>0.3</sub> Cd <sub>0.7</sub> S as novel type-II heterojunction photocatalyst to enhance the efficient degradation of imidacloprid. Applied Surface Science, 617 (2023) 156632.SCI<br>2. Magnetically recoverable flower-like Sn <sub>3</sub> O <sub>4</sub> /SnFe <sub>2</sub> O <sub>4</sub> as a type-II heterojunction photocatalyst for efficient degradation of ciprofloxacin. Journal of Alloys and Compounds, 926 (2022) 166878.SCI<br>3. A novel direct Z-scheme heterojunction BiFeO <sub>3</sub> /ZnFe <sub>2</sub> O <sub>4</sub> photocatalyst for enhanced photocatalyst degradation activity under visible light irradiation. Journal of Alloys and Compounds, 912 (2022) 165185.SCI<br>4. Highly efficient flower-like ZnIn <sub>2</sub> S <sub>4</sub> /CoFe <sub>2</sub> O <sub>4</sub> photocatalyst with p-n type heterojunction for enhanced hydrogen evolution under visible light irradiation. Journal of Colloid and Interface Science, 641 (2023) , 26-35. SCI<br>5. Preparation of magnetically retrievable flower-like AgBr/BiOBr/NiFe <sub>2</sub> O <sub>4</sub> direct Z-scheme heterojunction photocatalyst with enhanced visible-light photoactivity. Colloids and Surfaces a-Physicochemical and Engineering Aspects, 633, Article 127880.SCI (等同英语水平) | 非定向 |
| 21 | 114153100000507 | 李云鹏 | 材料科学与工程 | 刘艳改 | 六级462 | 1.稳定氧化锆陶瓷力学性能研究进展[J].材料导报,2022,36(S2):74-82.中文核心<br>2. Effect of Two-Step Sintering on the Mechanical and Electrical Properties of 5YSZ and 8YSZ Ceramics. Materials (Basel, Switzerland), 16(5), 2023.SCI   | 非定向 |
| 22 | 114153100000617 | 于文鹤 | 材料科学与工程 | 吴小文 | 托福99  | 1. Synthesis and Applications of SAPO-34 Molecular Sieves. Chemistry-a European Journal, 28(11), 2022, Article e202102787. SCI<br>2. Interfacial structure and photocatalytic degradation performance of graphene oxide bridged chitin-modified TiO <sub>2</sub> /carbon fiber composites. Journal of Cleaner Production, 361 (2022) 132261. SCI<br>3. Effects of Preparation and Activation Manner on Surface Area of Hierarchical Porous Carbons Derived from Nut (Euryale ferox) Shell. Chemistryselect, 7(13), 2022, e202200100. SCI   | 非定向 |
| 23 | 114153100000670 | 包建国 | 材料科学与工程 | 廖立兵 | 六级450 | 1. Effect of the Microstructure of Support Materials on Cracking Catalyst Performance. Crystals, 13(1), Article 123,2023.SCI   | 定向  |

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| 24 | 114153100000539 | 邹志飞 | 材料科学与工程 | 周风山 | 六级458          | 1. Enhanced dispersive stability of bentonite suspension in saline water-based mud. Colloids and Surfaces a-Physicochemical and Engineering Aspects, 579, Article 123589,2019.SCI<br>2. Thermal stability of xanthan gum biopolymer and its application in salt-tolerant bentonite water-based mud. Journal of Polymer Engineering, 39(6), 501-507,2019. SCI   | 定向   |
| 25 | 114153100000478 | 高龙飞 | 材料科学与工程 | 吴小文 | 六级442          | 1. Quartz Fibers Reinforced SiNB Ceramic Matrix Composites Prepared by PIP. SSP 2018;281:395-401.El<br>2. 连续石英纤维增强二氧化硅复合材料研究概况[J].玻璃钢/复合材料,2019(12):114-117.中文核心<br>3. 石英纤维增强氮化硼陶瓷基复合材料制备及性能研究[J].复合材料科学与工程,2020(10):101-104.中文核心<br>4. 纤维增强PMR型聚酰亚胺复合材料研究概况[J].玻璃钢/复合材料,2018,No.296(09):106-110+86.中文核心<br>5. 一种陶瓷纤维混编织物增强陶瓷基复合材料及其制备方法[P]. ZL202011307413.6, 2021-02-26.发明专利<br>6. 一种酸性无机修补剂及其制备方法、修补方法[P]. ZL202210124998.0,2022-05-13.发明专利 | 定向   |
| 26 | 114153100000304 | 朱俊阁 | 资源与环境   | 周风山 | 六级450          | 1. Preparation and characterization of red mud based porous materials. Journal of Physics: Conference Series, 2109(1), 012023.El<br>2. Study on hydration mechanism and environmental safety of thermal activated red mud-based cementitious materials. Environ Sci Pollut Res (2023).SCI  | 非定向  |
| 27 | 114153100000084 | 魏甲明 | 资源与环境   | 黄朝晖 | 四级合格<br>200106 | 1. 电解锰渣井下充填试验研究[J].矿业研究与开发,2022,42(09):44-49.中文核心<br>2. 全钒液流电池技术研究进展[J].中国有色冶金,2022,51(03):14-21.中文核心<br>3.短流程熔融炼铁系统和高炉改造方法[P]. CN113073162B,2022-12-09. 发明专利<br>4. 含酸废水处理设备及处理方法[P]. CN105819607B,2018-09-14. 发明专利<br>5. 将冶炼烟气制备成硫磺的系统[P].CN105731386B,2018-09-11. 发明专利<br>6. 1025二期钨基xx项目，国资委，项目负责人<br>7. 金属冶炼重大事故防控技术支撑基地建设项目，国家发改委，项目负责人<br>8. 矿冶与城市固废协同处置及资源化技术路线研究，五矿科技专项，项目负责人<br>9.中国有色金属工业科学技术奖一等奖（排名2），2020                          | 非全日制 |
| 28 | 114153100000920 | 辛鹏飞 | 资源与环境   | 刘梅堂 | 六级456          | 1. 氧气底吹熔炼-液态渣侧吹还原技术处理低铅高银精矿工艺介绍[J].中国有色冶金, 2020,49(05):32-35. 中文核心<br>2. 氧气底吹技术处理脆硫铅锑矿工艺原理及实践[J].中国有色冶金,2020,49(04):28-31.中文核心<br>3. 液态铅渣短流程还原烟化装置及方法、铅冶炼系统及方法[P]. CN113430388B,2022-11-22.发明专利  | 非全日制 |
| 29 | 114153100000627 | 杜士帽 | 资源与环境   | 刘梅堂 | 六级433          | 含硫化砷废渣的处理方法[P]. CN113289306B,2022-05-20.发明专利   | 非全日制 |