

Ke-Fu Yao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1766430/publications.pdf>

Version: 2024-02-01

52
papers

1,128
citations

393982

19
h-index

414034

32
g-index

53
all docs

53
docs citations

53
times ranked

1074
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | NiFe Layered Double Hydroxides Grown on a Corrosion-Resistant Cell Cathode for Oxygen Evolution Electrocatalysis. <i>Advanced Energy Materials</i> , 2022, 12, 2102372. | 10.2 | 51 |
| 2 | NiFe Layered Double Hydroxides Grown on a Corrosion-Resistant Cell Cathode for Oxygen Evolution Electrocatalysis (<i>Adv. Energy Mater.</i> 2/2022). <i>Advanced Energy Materials</i> , 2022, 12, . | 10.2 | 6 |
| 3 | Designing High Entropy Bulk Metallic Glass (HE-BMG) by Similar Element Substitution/Addition. <i>Materials</i> , 2022, 15, 1669. | 1.3 | 5 |
| 4 | Microstructure and mechanical properties of lightweight AlCrTiV _{0.5} Cu _x high-entropy alloys. <i>Rare Metals</i> , 2022, 41, 2016-2020. | 3.6 | 13 |
| 5 | Microstructure and magnetic properties of novel powder cores composed of iron-based amorphous alloy and PTFE. <i>Journal of Materials Science</i> , 2022, 57, 8154-8166. | 1.7 | 16 |
| 6 | High-entropy induced a glass-to-glass transition in a metallic glass. <i>Nature Communications</i> , 2022, 13, 2183. | 5.8 | 34 |
| 7 | Intrinsic fast kinetics on the degradation of azo dye by iron in alkaline condition. <i>Chemical Engineering Journal Advances</i> , 2022, , 100321. | 2.4 | 0 |
| 8 | Theoretical and experimental study of metallic glass die-imprinting for manufacturing large-size micro/nano structures. <i>Journal of Materials Processing Technology</i> , 2022, 307, 117699. | 3.1 | 4 |
| 9 | Influence of inorganic ions on degradation capability of Fe-based metallic glass towards dyeing wastewater remediation. <i>Chemosphere</i> , 2021, 264, 128392. | 4.2 | 14 |
| 10 | Microstructure, Hardness, and Tensile Properties of Vacuum Carburizing Gear Steel. <i>Metals</i> , 2021, 11, 300. | 1.0 | 8 |
| 11 | Widely tunable optical properties via oxygen manipulation in an amorphous alloy. <i>Science China Materials</i> , 2021, 64, 2305-2312. | 3.5 | 4 |
| 12 | Characterization of the microstructure and hardness of case-carburized gear steel. <i>Micron</i> , 2021, 144, 103028. | 1.1 | 19 |
| 13 | Cheap, fast and durable degradation of azo dye wastewater by zero-valent iron structural composites. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106314. | 3.3 | 7 |
| 14 | Functional 3D nanoporous Fe-based alloy from metallic glass for high-efficiency water splitting and wastewater treatment. <i>Journal of Non-Crystalline Solids</i> , 2021, 571, 121070. | 1.5 | 9 |
| 15 | Stress-induced activation of the commercial Fe-based metallic glass ribbons for azo dye degradation. <i>Journal of Non-Crystalline Solids</i> , 2021, 572, 121117. | 1.5 | 3 |
| 16 | Effect of TiC Addition on the High-Temperature Hardness and the Carbide Stability in Al _{0.2} CoCrFeNi _{1.5} Ti High-Entropy Alloy. <i>Russian Journal of Non-Ferrous Metals</i> , 2021, 62, 708-715. | 0.2 | 0 |
| 17 | Excellent long-term reactivity of inhomogeneous nanoscale Fe-based metallic glass in wastewater purification. <i>Science China Materials</i> , 2020, 63, 453-466. | 3.5 | 22 |
| 18 | Formation and Properties of Amorphous Multi-Component (CrFeMoNbZr) _x O _y Thin Films. <i>Metals</i> , 2020, 10, 599. | 1.0 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | A high-strength Co-Fe-Ta-B metallic-glass phase enabled tensile plasticity in Co-Fe-Ta-B-O oxide-glass matrix nanocomposites. Applied Physics Letters, 2020, 116, . | 1.5 | 7 |
| 20 | Porous composite architecture bestows Fe-based glassy alloy with high and ultra-durable degradation activity in decomposing azo dye. Journal of Hazardous Materials, 2020, 388, 122043. | 6.5 | 20 |
| 21 | Understanding the Fracture Behaviors of Metallic Glasses—An Overview. Applied Sciences (Switzerland), 2019, 9, 4277. | 1.3 | 11 |
| 22 | Anomalous low-temperature transport property of oxygen containing high-entropy Ti-Zr-Hf-Cu-Ni metallic glass thin films. Science China Materials, 2019, 62, 907-912. | 3.5 | 4 |
| 23 | Electrochemical corrosion resistance of the amorphous and crystalline Pd-based alloys in simulated seawater. Materials and Corrosion - Werkstoffe Und Korrosion, 2018, 69, 1509-1515. | 0.8 | 2 |
| 24 | Structures and corrosion properties of the AlCrFeNiMo _{0.5} Ti _x high entropy alloys. Materials and Corrosion - Werkstoffe Und Korrosion, 2018, 69, 641-647. | 0.8 | 28 |
| 25 | Fe-based multi-phase nanocrystalline ribbons with hierarchically flowerlike structured metal oxides after modified by Orange II for CrVI absorption. Journal of Iron and Steel Research International, 2018, 25, 608-613. | 1.4 | 4 |
| 26 | Unexpected high performance of Fe-based nanocrystallized ribbons for azo dye decomposition. Journal of Materials Chemistry A, 2017, 5, 14230-14240. | 5.2 | 74 |
| 27 | Oxide-derived nanostructured metallic-glass electrodes for efficient electrochemical hydrogen generation. RSC Advances, 2017, 7, 27058-27064. | 1.7 | 17 |
| 28 | One-pot preparation of nanoporous Ag-Cu@Ag core-shell alloy with enhanced oxidative stability and robust antibacterial activity. Scientific Reports, 2017, 7, 10249. | 1.6 | 29 |
| 29 | Review on the Research and Development of Ti-Based Bulk Metallic Glasses. Metals, 2016, 6, 264. | 1.0 | 74 |
| 30 | Centimeter-Sized Quaternary Ti-Based Bulk Metallic Glasses with High Ti Content of 50 at%. Advanced Engineering Materials, 2016, 18, 231-235. | 1.6 | 10 |
| 31 | A room-temperature magnetic semiconductor from a ferromagnetic metallic glass. Nature Communications, 2016, 7, 13497. | 5.8 | 71 |
| 32 | Effects of alloying elements on crystallization kinetics of Ti-Zr-Be bulk metallic glass. Journal of Materials Science, 2016, 51, 5321-5329. | 1.7 | 21 |
| 33 | Nonisothermal crystallization kinetics, fragility and thermodynamics of Ti ₂₀ Zr ₂₀ Cu ₂₀ Ni ₂₀ Be ₂₀ high entropy bulk metallic glass. Journal of Materials Research, 2015, 30, 2772-2782. | 1.2 | 33 |
| 34 | Cu-alloying effect on crystallization kinetics of Ti ₄₁ Zr ₂₅ Be ₂₈ Fe ₆ bulk metallic glass. Journal of Thermal Analysis and Calorimetry, 2015, 121, 697-704. | 2.0 | 22 |
| 35 | Novel Cu-Ag bimetallic porous nanomembrane prepared from a multi-component metallic glass. RSC Advances, 2015, 5, 50565-50571. | 1.7 | 12 |
| 36 | Morphology and structure evolution of metallic nanowire arrays prepared by die nanoimprinting. Science Bulletin, 2015, 60, 629-633. | 4.3 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Effects of austenitizing temperature on the microstructure and electrochemical behavior of a martensitic stainless steel. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 375-383. | 1.5 | 31 |
| 38 | Structural heterogeneity in a binary Pd-Si metallic glass. <i>Philosophical Magazine Letters</i> , 2015, 95, 77-84. | 0.5 | 6 |
| 39 | Direct in situ observation of metallic glass deformation by real-time nano-scale indentation. <i>Scientific Reports</i> , 2015, 5, 9122. | 1.6 | 10 |
| 40 | High-accuracy bulk metallic glass mold insert for hot embossing of complex polymer optical devices. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 463-467. | 2.4 | 16 |
| 41 | Non-isothermal crystallization kinetics and glass-forming ability of Ti ₄₁ Zr ₂₅ Be ₂₈ Fe ₆ bulk metallic glass investigated by differential scanning calorimetry. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 145-153. | 1.1 | 15 |
| 42 | Rapid decomposition of Direct Blue 6 in neutral solution by Fe-B amorphous alloys. <i>RSC Advances</i> , 2015, 5, 6215-6221. | 1.7 | 96 |
| 43 | Influence of Heat Treatment on the Microstructure and Corrosion Resistance of 13Wt% Cr-Type Martensitic Stainless Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 6090-6102. | 1.1 | 32 |
| 44 | Die imprinting of MGs: A one-step approach for large-area metallic photonic crystals. <i>Materials and Design</i> , 2015, 87, 1018-1021. | 3.3 | 17 |
| 45 | Formation and Mechanical Properties of Pd-Si Binary Bulk Metallic Glasses. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-5. | 1.0 | 1 |
| 46 | Direct experimental evidence of nano-voids formation and coalescence within shear bands. <i>Applied Physics Letters</i> , 2014, 105, 181909. | 1.5 | 51 |
| 47 | Facile synthesis of air-stable nano/submicro dendritic copper structures and their anti-oxidation properties. <i>RSC Advances</i> , 2014, 4, 33362-33365. | 1.7 | 12 |
| 48 | Large-area and uniform amorphous metallic nanowire arrays prepared by die nanoimprinting. <i>Journal of Alloys and Compounds</i> , 2014, 605, 7-11. | 2.8 | 26 |
| 49 | Highly Uniform and Reproducible Surface Enhanced Raman Scattering on Air-stable Metallic Glassy Nanowire Array. <i>Scientific Reports</i> , 2014, 4, 5835. | 1.6 | 86 |
| 50 | Ti-Zr-Be-Fe quaternary bulk metallic glasses designed by Fe alloying. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013, 56, 2090-2097. | 2.0 | 12 |
| 51 | Two-zone heterogeneous structure within shear bands of a bulk metallic glass. <i>Applied Physics Letters</i> , 2013, 103, . | 1.5 | 43 |
| 52 | Preparation of nanoparticles with an environment-friendly approach. <i>Journal of Environmental Sciences</i> , 2009, 21, 727-730. | 3.2 | 8 |