# Feng He

List of Publications by Year
in descending order



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|---|---|---|---|
| 73 papers | 1,946 citations | 236925 25 h-index | 276875 41 g-index |
| 73 all docs | 73 docs citations | 73 times ranked | 1545 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of acid treatment on surfaces of activated carbon supported catalysts for NO and SO<sub>2</sub> removal. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 297-305. | 2.1 | 7 |
| 2 | Influences of Al2O3 content on crystallization and physical properties of LAS glass-ceramics prepared from spodumene. Journal of Non-Crystalline Solids, 2022, 576, 121256. | 3.1 | 16 |
| 3 | Excellent sulfur tolerance performance over Fe-SO4/TiO2 catalysts for NH3-SCR: Influence of sulfation and Fe-based sulfates. Journal of Environmental Chemical Engineering, 2022, 10, 107038. | 6.7 | 26 |
| 4 | Structure and sintering behavior of BaOâ€“SrOâ€“B2O3â€“SiO2 sealing glass for Al2O3 ceramic substrates. Ceramics International, 2022, 48, 27718-27730. | 4.8 | 8 |
| 5 | Insight into highly efficient FeOx catalysts for the selective catalytic reduction of NOx by NH3: Experimental and DFT study. Applied Surface Science, 2022, 599, 153998. | 6.1 | 16 |
| 6 | Cu, Co, or Ni species in exchanged Y zeolite catalysts and their denitration performance for selective catalytic reduction by ammonia. Applied Surface Science, 2022, 600, 154075. | 6.1 | 5 |
| 7 | Pyrolysis characteristics and mechanism of hydrocarbon compounds for RDF. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 13-20. | 2.1 | 2 |
| 8 | Effect of SiO2/BaO ratio on sintering behavior, crystallization behavior, and properties of SrOâ€“BaOâ€“B2O3â€“SiO2 glass-ceramics. Ceramics International, 2021, 47, 19043-19051. | 4.8 | 15 |
| 9 | Elucidate the promotional effects of Sn on Ce-Ti catalysts for NH3-SCR activity. Journal of the Energy Institute, 2020, 93, 1053-1063. | 5.3 | 14 |
| 10 | Enhancement of the NH3-SCR property of Ce-Zr-Ti by surface and structure modification with P. Applied Surface Science, 2020, 505, 144641. | 6.1 | 44 |
| 11 | Effects of fluoride content on structure and properties of steel slag glass-ceramics. Materials Chemistry and Physics, 2020, 242, 122531. | 4.0 | 22 |
| 12 | Structure, viscosity, and crystallization of glass melt from molten blast furnace slag. International Journal of Applied Glass Science, 2020, 11, 676-684. | 2.0 | 13 |
| 13 | Effect of BaO on the structure and properties of bismuth-based low-melting glasses. Advances in Applied Ceramics, 2020, 119, 439-447. | 1.1 | 8 |
| 14 | Calibration of Binding Energy Positions with C1s for XPS Results. Journal Wuhan University of Technology, Materials Science Edition, 2020, 35, 711-718. | 1.0 | 140 |
| 15 | Structure, crystallization mechanism, and properties of glass ceramics from molten blast furnace slag with different B2O3/Al2O3. Materials Chemistry and Physics, 2020, 243, 122664. | 4.0 | 19 |
| 16 | Low Li2O content study in Li2O-Al2O3-SiO2 glass-ceramics. Journal of the European Ceramic Society, 2019, 39, 4988-4995. | 5.7 | 55 |
| 17 | Experimental and DFT study of the adsorption and activation of NH3 and NO on Mn-based spinels supported on TiO2 catalysts for SCR of NOx. Computational Materials Science, 2019, 160, 374-381. | 3.0 | 36 |
| 18 | Preparation and characterization of vitrified CeO2 coated cBN composites. Ceramics International, 2019, 45, 19704-19709. | 4.8 | 5 |

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|---|---|---|---|
| 19 | Exploring the influences of Li2O/SiO2 ratio on Li2O â€“ Al2O3 â€“ SiO2 â€“ B2O3 â€“ BaO glass-ceramic bonds for vitrified cBN abrasives. Ceramics International, 2019, 45, 15358-15365. | 4.8 | 17 |
| 20 | Effect of Al/Si ratio on the crystallization properties and structure of mold flux. Construction and Building Materials, 2019, 216, 19-28. | 7.2 | 13 |
| 21 | Effects of Al/Na and heat treatment on the structure and properties of glass ceramics from molten blast furnace slag. Ceramics International, 2019, 45, 13692-13700. | 4.8 | 29 |
| 22 | Novel heterogeneous denitrification catalyst over a wide temperature range: Synergy between CeO2, ZrO2 and TiO2. Chemical Engineering Journal, 2019, 356, 598-608. | 12.7 | 35 |
| 23 | Evaluating the Intermetallic Interaction of Fe or Cu Doped Mn/TiO2 Catalysts: SCR Activity and Sulfur Tolerance. Catalysis Letters, 2019, 149, 788-797. | 2.6 | 18 |
| 24 | Effect of heat treatments on the Li2O-Al2O3-SiO2-B2O3-BaO glass-ceramic bond and the glass-ceramic bond cBN grinding tools. International Journal of Refractory Metals and Hard Materials, 2019, 78, 201-209. | 3.8 | 24 |
| 25 | Characterization and performance of common alkali metals and alkaline earth metals loaded Mn/TiO2 catalysts for NOx removal with NH3. Journal of the Energy Institute, 2019, 92, 319-331. | 5.3 | 26 |
| 26 | Effect of Reaction Temperature on CeO2-Coated cBN Particles for Vitrified cBN Abrasive Tools. Springer Proceedings in Physics, 2019, , 9-16. | 0.2 | 0 |
| 27 | Kinetic analysis of crystallization in Li2O-Al2O3-SiO2-B2O3-BaO glass-ceramics. Journal of Non-Crystalline Solids, 2018, 491, 106-113. | 3.1 | 18 |
| 28 | Mn5O8 nanoflowers prepared via a solvothermal route as efficient denitration catalysts. Materials Chemistry and Physics, 2018, 209, 10-15. | 4.0 | 16 |
| 29 | Effects of Na 2 O/BaO ratio on the structure and the physical properties of low-temperature glass-ceramic vitrified bonds. Ceramics International, 2018, 44, 10871-10877. | 4.8 | 32 |
| 30 | Low temperature NH3-SCR of NO over an unexpected Mn-based catalyst: Promotional effect of Mg doping. Applied Surface Science, 2018, 427, 45-55. | 6.1 | 56 |
| 31 | The superior performance of hydrothermal method made CeZrTi catalyst for selective catalytic reduction of NO with NH<sub>3</sub>. Materials Research Express, 2018, 5, 115514. | 1.6 | 2 |
| 32 | Crystallization mechanism and properties of glass ceramics from modified molten blast furnace slag. Journal of Non-Crystalline Solids, 2018, 502, 164-171. | 3.1 | 51 |
| 33 | Performance regulation of Mn/TiO2 catalysts by surfactants for the selective catalytic reduction of NO with NH3 at low temperatures. Reaction Kinetics, Mechanisms and Catalysis, 2018, 125, 647-661. | 1.7 | 6 |
| 34 | The utilization of fly ash-MnO<sub>x</sub>/FA catalysts for NO<sub>x</sub> removal. Materials Research Express, 2018, 5, 065526. | 1.6 | 5 |
| 35 | Facile large-scale synthesis of Ce Mn composites by redox-precipitation and its superior low-temperature performance for NO removal. Powder Technology, 2018, 338, 774-782. | 4.2 | 17 |
| 36 | NH<sub>3</sub>-SCR Performance and Applicability of Mn-Based Spinels over TiO<sub>2</sub> Catalyst. Materials Science Forum, 2018, 921, 29-34. | 0.3 | 2 |

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|---|---|---|---|
| 37 | Effect of Calcination Temperature on the SCR Activity of Feâ€“S/TiO2 Catalysts. Springer Proceedings in Energy, 2018, , 929-935. | 0.3 | 0 |
| 38 | Study on novel and promising NH<sub>3</sub>-SCR catalysts on glass fiber cloth for industrial applications. Materials Research Express, 2017, 4, 055503. | 1.6 | 4 |
| 39 | Preparation and characterization of CaOâ€“Al2O3â€“SiO2 glass-ceramics from molybdenum tailings. Materials Chemistry and Physics, 2017, 197, 57-64. | 4.0 | 43 |
| 40 | Performance enhancement mechanism of Mn-based catalysts prepared under N 2 for NO x removal: Evidence of the poor crystallization and oxidation of MnO x. Chinese Journal of Catalysis, 2017, 38, 845-851. | 14.0 | 31 |
| 41 | Mechanistic study of Ce-modified MnO x /TiO2 catalysts with high NH3-SCR performance and SO2 resistance at low temperatures. Research on Chemical Intermediates, 2017, 43, 5413-5432. | 2.7 | 28 |
| 42 | Effects of surface physicochemical properties on NH3-SCR activity of MnO2 catalysts with different crystal structures. Chinese Journal of Catalysis, 2017, 38, 1925-1934. | 14.0 | 62 |
| 43 | Influence of deposition pressure on properties of ZnO: Al films fabricated by RF magnetron sputtering. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 1235-1239. | 1.0 | 5 |
| 44 | Effect of aluminum addition on microstructure and properties of SiO2-B2O3-Al2O3-CaO vitrified bond. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 1267-1271. | 1.0 | 5 |
| 45 | Effect of WO3 on the structure and properties of low sintering temperature and high strength vitrified bonds. Journal of Alloys and Compounds, 2016, 679, 54-58. | 5.5 | 17 |
| 46 | Influence of Al2O3 on the structure and the physical properties of low-temperature ceramic vitrified bond. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 673, 587-594. | 5.6 | 18 |
| 47 | Melting, sintering and wetting properties of ZnOâ€“Bi2O3â€“B2O3 sealing glass. Journal of Central South University, 2016, 23, 1541-1547. | 3.0 | 8 |
| 48 | Preparation of high strength glass ceramic foams from waste cathode ray tube and germanium tailings. Construction and Building Materials, 2016, 111, 105-110. | 7.2 | 67 |
| 49 | Effect of glass colour agent on the heat transfer property of peritectic steel mould flux. Materials Research Innovations, 2015, 19, S8-665-S8-669. | 2.3 | 0 |
| 50 | Effect of cobalt oxides on heat transfer property of peritectic steel mould flux. Ironmaking and Steelmaking, 2015, 42, 126-131. | 2.1 | 5 |
| 51 | Effects of precursors and preparation methods on the potassium deactivation of MnO x /TiO 2 catalysts for NO removal. Fuel Processing Technology, 2015, 134, 465-472. | 7.2 | 27 |
| 52 | Structure and luminescent properties of Sm3+ doped SrO-MgO-SiO2 glass ceramics. Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 282-287. | 1.0 | 7 |
| 53 | Identification of MnO species and Mn valence states in MnO /TiO2 catalysts for low temperature SCR. Chemical Engineering Journal, 2015, 271, 23-30. | 12.7 | 154 |
| 54 | Preparation and properties of sintered glassâ€“ceramics containing Auâ€“Cu tailing waste. Materials and Design, 2015, 86, 782-787. | 7.0 | 24 |

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|---|---|---|---|
| 55 | Characterization of low sintering temperature and high strength SiO2-B2O3-CaO vitrified bonds for diamond abrasive tools. Ceramics International, 2015, 41, 3449-3455. | 4.8 | 30 |
| 56 | Microstructure and mechanical properties of ceramics prepared under simulated oxygen-enriched or oxy-fuel atmosphere. Ceramics International, 2015, 41, 2779-2784. | 4.8 | 1 |
| 57 | Effect of CuMn2O4 spinel in Cuâ€“Mn oxide catalysts on selective catalytic reduction of NOx with NH3 at low temperature. RSC Advances, 2014, 4, 25540. | 3.6 | 90 |
| 58 | Thermodynamic calculation for the activity and mechanism of Mn/TiO2 catalyst doped transition metals for SCR at low temperature. Catalysis Communications, 2014, 52, 45-48. | 3.3 | 36 |
| 59 | Influence of sodium on MnOx/TiO2 catalysts for SCR of NO with NH3 at low temperature. Materials Research Innovations, 2014, 18, S4-45-S4-49. | 2.3 | 5 |
| 60 | Preparation and properties of CaO-Al2O3-SiO2 glass-ceramics by sintered frits particle from mining wastes. Science of Sintering, 2014, 46, 353-363. | 1.4 | 8 |
| 61 | IR and Raman Spectra Properties of Bi<sub>2</sub>O<sub>3</sub>-ZnO-B<sub>2</sub>O<sub>3</sub> Quaternary Glass System. American Journal of Analytical Chemistry, 2014, 05, 1142-1150. | 0.9 | 11 |
| 62 | Viscosity and Structure of Lithium Sodium Borosilicate Glasses. Physics Procedia, 2013, 48, 73-80. | 1.2 | 16 |
| 63 | Effects of atmospheres and precursors on MnO x /TiO2 catalysts for NH3-SCR at low temperature. Journal Wuhan University of Technology, Materials Science Edition, 2013, 28, 888-892. | 1.0 | 15 |
| 64 | The effect of Bi2O3 on the structure and properties of float glass. Journal Wuhan University of Technology, Materials Science Edition, 2013, 28, 898-901. | 1.0 | 1 |
| 65 | First principles and experimental study of NH3 adsorptions on MnOx surface. Applied Surface Science, 2013, 285, 215-219. | 6.1 | 31 |
| 66 | Performance and mechanism about MnOx species included in MnOx/TiO2 catalysts for SCR at low temperature. Catalysis Communications, 2012, 28, 77-81. | 3.3 | 82 |
| 67 | Fabrication and characterization of glassâ€“ceramics materials developed from steel slag waste. Materials & Design, 2012, 42, 198-203. | 5.1 | 55 |
| 68 | Study on sintered glass ceramics from Nb-Ta tailings. Glass Physics and Chemistry, 2012, 38, 109-115. | 0.7 | 1 |
| 69 | Effect of Bi2O3 on structure and wetting studies of Bi2O3â€“ZnOâ€“B2O3 glasses. Journal of Alloys and Compounds, 2011, 509, 6332-6336. | 5.5 | 88 |
| 70 | Structure of Bi2O3-ZnO-B2O3 system low-melting sealing glass. Central South University, 2010, 17, 257-262. | 0.5 | 45 |
| 71 | Preparation and microstructure of glass-ceramics and ceramic composite materials. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 562-565. | 1.0 | 4 |
| 72 | Effect of the cool system on internal stress of CaO-Al2O3-SiO2 glass-ceramic system. Journal Wuhan University of Technology, Materials Science Edition, 2007, 22, 760-763. | 1.0 | 0 |

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|---|---|---|---|
| 73 | Influence of ZrO2 on sintering and crystallization of CaO-Al2O3-SiO2 glass-ceramics. Central South University, 2005, 12, 511-514. | 0.5 | 4 |