# Peng-Hua Qiu

List of Publications by Year
in descending order

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|---|---|---|---|
| 48 papers | 939 citations | 471371 17 h-index | 501076 28 g-index |
| 48 all docs | 48 docs citations | 48 times ranked | 670 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Chemiluminescence-based characterization of heat release rate dynamic in a micro gas turbine combustion chamber. Journal of the Energy Institute, 2022, 102, 32-41. | 2.7 | 3 |
| 2 | Study of turbulent flame characteristics of water vapor diluted hydrogen-air micro-mixing combustion. Renewable Energy, 2022, 189, 1194-1205. | 4.3 | 3 |
| 3 | Exhaust gas recirculation effects on flame heat release rate distribution and dynamic characteristics in a micro gas turbine. Energy, 2022, 249, 123680. | 4.5 | 6 |
| 4 | Effect of active alkali and alkaline earth metals on the reactivity of co-gasification char from coal and corn straws. Journal of the Energy Institute, 2022, 102, 42-53. | 2.7 | 7 |
| 5 | Effect of fuel flexibility on combustion performance of a micro-mixing gas turbine combustor at different fuel temperatures. Journal of the Energy Institute, 2022, 102, 100-117. | 2.7 | 17 |
| 6 | Research on combustion performance of a micro-mixing combustor for methane-fueled gas turbine. Journal of the Energy Institute, 2022, 103, 72-83. | 2.7 | 10 |
| 7 | The effects of N2 and steam dilution on NO emission for a H2/Air micromix flame. International Journal of Hydrogen Energy, 2022, 47, 27266-27278. | 3.8 | 10 |
| 8 | Combustion characteristics of ignition processes for lean premixed swirling combustor under visual conditions. Energy, 2021, 218, 119521. | 4.5 | 15 |
| 9 | Study on Reactivity and Synergy Behavior of Cogasification between Biomass Char and Coal Char. Energy & Fuels, 2021, 35, 341-350. | 2.5 | 9 |
| 10 | Study of the chemical effect of steam dilution on NO formation in laminar premixed H2/Air flame at normal and elevated pressure. International Journal of Hydrogen Energy, 2021, 46, 13402-13412. | 3.8 | 10 |
| 11 | Effect of active alkali and alkaline earth metals on physicochemical properties and gasification reactivity of co-pyrolysis char from coal blended with corn stalks. Renewable Energy, 2021, 171, 1213-1223. | 4.3 | 25 |
| 12 | Char structural evolution characteristics and its correlation with reactivity during the heterogeneous NO reduction in a micro fluidized bed reaction analyzer: The influence of reaction residence time. Fuel, 2021, 296, 120648. | 3.4 | 11 |
| 13 | System modification and thermal efficiency study on the semi-closed cycle of supercritical carbon dioxide. Energy Conversion and Management, 2021, 241, 114272. | 4.4 | 10 |
| 14 | Effect of mixing ratio and active alkali and alkaline earth metals on gaseous products from co-pyrolysis of coal and corn stalks. Journal of Analytical and Applied Pyrolysis, 2021, 159, 105326. | 2.6 | 1 |
| 15 | Experimental study of flame evolution, frequency and oscillation characteristics of steam diluted micro-mixing hydrogen flame. Fuel, 2021, 301, 121078. | 3.4 | 13 |
| 16 | Char structural evolution characteristics and its correlation with reactivity during the heterogeneous NO reduction in a micro fluidized bed reaction analyzer: The influence of reaction atmosphere. Fuel, 2021, 303, 121173. | 3.4 | 5 |
| 17 | Combined impacts of intrinsic alkali and alkaline earth metals and chemical structure on reactivity of low-rank coal char: New explanation for the role of water-soluble AAEMs during pyrolysis and gasification. Fuel, 2021, 305, 121405. | 3.4 | 11 |
| 18 | Physicochemical structure characteristics and intrinsic reactivity of demineralized coal char rapidly pyrolyzed at elevated pressure. Journal of the Energy Institute, 2020, 93, 1064-1073. | 2.7 | 12 |

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|---|---|---|---|
| 19 | Influence of pyrolysis pressure on structure and combustion reactivity of Zhundong demineralized coal char. Journal of the Energy Institute, 2020, 93, 1798-1808. | 2.7 | 20 |
| 20 | Investigation of Heterogeneous NO Reduction by Biomass Char and Coal Char Blends in a Microfluidized Bed Reaction Analyzer. Energy & Fuels, 2020, 34, 6317-6325. | 2.5 | 13 |
| 21 | Impacts of intrinsic alkali and alkaline earth metals on chemical structure of low-rank coal char: Semi-quantitative results based on FT-IR structure parameters. Fuel, 2020, 278, 118229. | 3.4 | 42 |
| 22 | A Review on the Properties of Copyrolysis Char from Coal Blended with Biomass. Energy & Fuels, 2020, 34, 3996-4005. | 2.5 | 13 |
| 23 | Physicochemical Properties and AAEM Retention of Copyrolysis Char from Coal Blended with Corn Stalks. Energy & Fuels, 2019, 33, 11082-11091. | 2.5 | 8 |
| 24 | Numerical investigations on combustion and emission characteristics of a novel elliptical jet-stabilized model combustor. Energy, 2019, 170, 1082-1097. | 4.5 | 32 |
| 25 | Gasification reactivity of co-pyrolysis char from coal blended with corn stalks. Bioresource Technology, 2019, 279, 243-251. | 4.8 | 41 |
| 26 | Combustion and NOx emission characteristics of dual-stage lean premixed flame. Applied Thermal Engineering, 2019, 160, 113951. | 3.0 | 7 |
| 27 | Experimental and Computational Study of the Combustion Characteristics of Dual-Stage Lean Premixed Flame. Energy & Fuels, 2019, 33, 2547-2555. | 2.5 | 2 |
| 28 | NO Reduction and Emission Characteristics of Coal/Char Mixtures in a Microfluidized Bed Reaction Analyzer. Energy & Fuels, 2019, 33, 276-286. | 2.5 | 7 |
| 29 | Pyrolysis Characteristics and Kinetics of Coalâ€“Biomass Blends during Co-Pyrolysis. Energy & Fuels, 2019, 33, 1267-1278. | 2.5 | 50 |
| 30 | Investigation of the relationship between infrared structure and pyrolysis reactivity of coals with different ranks. Fuel, 2018, 216, 521-530. | 3.4 | 76 |
| 31 | Chemical structure and pyrolysis characteristics of demineralized Zhundong Coal. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 282-287. | 1.2 | 14 |
| 32 | Evaluation of chemical structure, pyrolysis reactivity and gaseous products of Shenmu coal of different particle sizes. Journal of Analytical and Applied Pyrolysis, 2018, 130, 294-304. | 2.6 | 28 |
| 33 | Effects of steam dilution on laminar flame speeds of H2/air/H2O mixtures at atmospheric and elevated pressures. International Journal of Hydrogen Energy, 2018, 43, 7538-7549. | 3.8 | 30 |
| 34 | Variation of Char Reactivity during Catalytic Gasification with Steam: Comparison among Catalytic Gasification by Ion-Exchangeable Na, Ca, and Na/Ca Mixture. Energy & Fuels, 2018, 32, 142-153. | 2.5 | 18 |
| 35 | Thermogravimetric analysis and kinetics of the co-pyrolysis of coal blends with corn stalks. Thermochimica Acta, 2018, 659, 59-65. | 1.2 | 60 |
| 36 | Hydrogen and syngas production from catalytic steam gasification of char derived from ion-exchangeable Na- and Ca-loaded coal. International Journal of Hydrogen Energy, 2018, 43, 12034-12048. | 3.8 | 30 |

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|---|---|---|---|
| 37 | Selective enrichment of chemical structure during first grinding of Zhundong coal and its effect on pyrolysis reactivity. Fuel, 2017, 189, 46-56. | 3.4 | 65 |
| 38 | Effects of gasification temperature and atmosphere on char structural evolution and AAEM retention during the gasification of Loy Yang brown coal. Fuel Processing Technology, 2017, 159, 48-54. | 3.7 | 40 |
| 39 | Combustion performance of an adjustable fuel feeding combustor under off-design conditions for a micro-gas turbine. Applied Energy, 2017, 208, 12-24. | 5.1 | 15 |
| 40 | Importance of volatile AAEM species to char reactivity during volatileâ€“char interactions. RSC Advances, 2017, 7, 10397-10406. | 1.7 | 24 |
| 41 | Impacts of chemical fractionation on Zhundong coal's chemical structure and pyrolysis reactivity. Fuel Processing Technology, 2017, 155, 144-152. | 3.7 | 77 |
| 42 | Numerical Study on the Instantaneous Flow Behaviors of Clusters at the Wall of CFBs. , 2011, , . | | 0 |
| 43 | Performance of an Integrated Gasification Combined Cycle System with Different System Integration Options. Energy & Fuels, 2010, 24, 1925-1930. | 2.5 | 10 |
| 44 | Catalytic Effects of Main Metals in Coal Ash on Advanced Reburning of Pulverized Coal. Energy & Fuels, 2010, 24, 4919-4924. | 2.5 | 11 |
| 45 | Kinetic analysis of NO-Char reaction. Korean Journal of Chemical Engineering, 2009, 26, 554-559. | 1.2 | 9 |
| 46 | Numerical Simulation of NO Reduction by Gases from Coal Pyrolysis at High Temperature. , 2008, , . | | 0 |
| 47 | Industrial test on coal re-burning at a 600 MW utility boiler and NO x reduction. Korean Journal of Chemical Engineering, 2007, 24, 683-687. | 1.2 | 19 |
| 48 | Progress on the Co-Pyrolysis of Coal and Biomass. , 0, , . | | 0 |