# Song Zhou

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|---|---|---|---|
| 55 papers | 246 citations | 9 h-index | 13 g-index |
| 57 ext. papers | 342 ext. citations | 2.9 avg, IF | 3.92 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 55 | Marine Emission Pollution Abatement Using Ozone Oxidation by a Wet Scrubbing Method. *Industrial & Engineering Chemistry Research*, **2016**, 55, 5825-5831 | 3.9 | 29 |
| 54 | New experimental results of NO removal from simulated marine engine exhaust gases by Na2S2O8/urea solutions. *Chemical Engineering Journal*, **2019**, 362, 12-20 | 14.7 | 27 |
| 53 | Experiment and Prediction Studies of Marine Exhaust Gas SO2 and Particle Removal Based on NaOH Solution with a U-Type Scrubber. *Industrial & Engineering Chemistry Research*, **2017**, 56, 12376-12384 | 3.9 | 21 |
| 52 | Characterization of Particle and Gaseous Emissions from Marine Diesel Engines with Different Fuels and Impact of After-Treatment Technology. *Energies*, **2017**, 10, 1110 | 3.1 | 15 |
| 51 | Numerical Investigation of SCR Mixer Design Optimization for Improved Performance. *Processes*, **2019**, 7, 168 | 2.9 | 14 |
| 50 | A Prospective Method for Absorbing NO2 by the Addition of NaHSO3 to Na2SO3-Based Absorbents for Ship NOx Wet Absorption. *Energy & Fuels*, **2020**, 34, 2055-2063 | 4.1 | 13 |
| 49 | Performance Optimization of High-pressure SCR System in a Marine Diesel. Part II: Catalytic Reduction and Process. *Topics in Catalysis*, **2019**, 62, 40-48 | 2.3 | 10 |
| 48 | Performance Optimization of High-Pressure SCR System in a Marine Diesel Engine. Part I: Flow Optimization and Analysis. *Topics in Catalysis*, **2019**, 62, 27-39 | 2.3 | 9 |
| 47 | Influence of NH4NO3 Formation on the NOx Reduction Pathways over Vanadium-based Catalyst under Diesel Exhaust Conditions. *Russian Journal of Physical Chemistry A*, **2018**, 92, 1473-1480 | 0.7 | 9 |
| 46 | Novel Method Using Na2S2O8 as an Oxidant to Simultaneously Absorb SO2 and NO from Marine Diesel Engine Exhaust Gases. *Energy & Fuels*, **2020**, 34, 1984-1991 | 4.1 | 8 |
| 45 | EGR modeling and fuzzy evaluation of Low-Speed Two-Stroke marine diesel engines. *Science of the Total Environment*, **2020**, 706, 135444 | 10.2 | 8 |
| 44 | Combustion and emission characteristics for a marine low-speed diesel engine with high-pressure SCR system. *Environmental Science and Pollution Research*, **2020**, 27, 12851-12865 | 5.1 | 8 |
| 43 | Influence of Injection Timing on Performance and Exhaust Emission of CI Engine Fuelled with Butanol-Diesel Using a 1D GT-Power Model. *Processes*, **2019**, 7, 299 | 2.9 | 7 |
| 42 | Effects of Pig Manure and Corn Straw Generated Biogas and Methane Enriched Biogas on Performance and Emission Characteristics of Dual Fuel Diesel Engines. *Energies*, **2020**, 13, 889 | 3.1 | 7 |
| 41 | A Study on Exhaust Gas Emission Control Technology of Marine Diesel Engine. *Advanced Materials Research*, **2013**, 864-867, 1804-1809 | 0.5 | 6 |
| 40 | Relation analysis on emission control and economic cost of SCR system for marine diesels. *Science of the Total Environment*, **2021**, 788, 147856 | 10.2 | 6 |
| 39 | Effects of hydrogen-enriched biogas on combustion and emission of a dual-fuel diesel engine. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2020**, 1-16 | 1.6 | 5 |

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| 38 | A novel combined system using NaSO/urea to simultaneously remove SO and NO in marine diesel engine exhaust. *Journal of Hazardous Materials*, **2020**, 399, 123069 | 12.8 | 5 |
| 37 | Simulation study on transient performance of a marine engine matched with high-pressure SCR system. *International Journal of Engine Research*,146808742210840 | 2.7 | 5 |
| 36 | Study on Removing SO2 and NOx Simultaneously in Ships Emissions by Wet Scrubbing Based on Natrium-Alkali Method. *Journal of Chemical Engineering of Japan*, **2015**, 48, 834-840 | 0.8 | 4 |
| 35 | Modeling and simulation of marine SCR system based on Modelica. *International Journal of Engine Research*,146808742110722 | 2.7 | 4 |
| 34 | Research on the Influence of Wind Energy on New Energy Utilization Coefficient of EEDI. *Advanced Materials Research*, **2013**, 744, 561-565 | 0.5 | 3 |
| 33 | Dynamics Analysis of Aircraft Landing on the Pitching Deck. *Key Engineering Materials*, **2011**, 467-469, 579-582 | 0.4 | 3 |
| 32 | A novel method for the synchronous absorption of SO2 and NO from marine diesel engines. *Fuel Processing Technology*, **2020**, 210, 106560 | 7.2 | 3 |
| 31 | Efficient removal of NOx from simulated marine exhaust by using O3-Na2SO3: Experimental factors and optimization analysis. *Fuel*, **2021**, 122659 | 7.1 | 2 |
| 30 | A prospective absorption system for marine NOx removal from simulated gas using Na2SO3/urea composite absorbents in bubble reactor. *Fuel*, **2021**, 288, 119709 | 7.1 | 2 |
| 29 | Comparative and numerical evaluation of methanol blends in CI diesel engine **2018**, | | 2 |
| 28 | Investigation of EGR With EGB (Exhaust Gas Bypass) on Low Speed Marine Diesel Engine Performance and Emission Characteristics **2017**, | | 1 |
| 27 | A CFD analysis of static mixer to study its impacts on SCR performance in marine diesel engine **2019**, | | 1 |
| 26 | Marine SCR Technology□ Development and Prospects. *Applied Mechanics and Materials*, **2014**, 472, 909-916 | 0.3 | 1 |
| 25 | Numerical investigation of the effects of ethanol addition on the performance and emission characteristics of CI diesel engine **2017**, | | 1 |
| 24 | Experimental Study and Model Analysis of Sodium Desulfurization in Marine Application. *Journal of Chemical Engineering of Japan*, **2015**, 48, 909-914 | 0.8 | 1 |
| 23 | A Research on Waste Water Treatment Method of Marine Desulfurization Washing System. *Advanced Materials Research*, **2013**, 803, 43-46 | 0.5 | 1 |
| 22 | The Preparation of Honeycomb Cordierite Mn-Ce/TiO2 Catalyst and Denitration Performance. *Advanced Materials Research*, **2013**, 744, 370-374 | 0.5 | 1 |
| 21 | A Research on the Application and Calculation of Wind Energy. *Advanced Materials Research*, **2013**, 744, 556-560 | 0.5 | 1 |

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| 20 | A Study on SCR Catalyst Support. *Advanced Materials Research*, **2013**, 726-731, 17-20 | 0.5 | 1 |
| 19 | Chemical Kinetic Study on Dual-Fuel Combustion: The Ignition Properties of n-Dodecane/Methane Mixture. *International Journal of Chemical Engineering*, **2021**, 2021, 1-17 | 2.2 | 1 |
| 18 | Study on removing NO from simulated marine diesel engine exhaust gas using the novel composite system of Ozone-Na2SO3/(NH2)2CO. *Chemical Engineering Journal*, **2021**, 430, 132707 | 14.7 | 1 |
| 17 | Selection of a Waste Heat Recovery System for a Marine Diesel Engine Based on Exergy Analysis. *International Journal of Engineering Research in Africa*, **2016**, 25, 36-51 | 0.7 | 0 |
| 16 | Exergetic Cost Analysis of Marine Diesel Engine Waste Heat Recovery System Based on Matrix Model Thermo-Economics. *Advanced Materials Research*, **2013**, 744, 566-570 | 0.5 | 0 |
| 15 | Properties Analysis of Bolted Composite T-Joint. *Key Engineering Materials*, **2011**, 467-469, 575-578 | 0.4 | 0 |
| 14 | Discussion on Ship Exhaust Gas Washing Desulfurization Technology. *Applied Mechanics and Materials*, **2014**, 472, 917-920 | 0.3 | |
| 13 | Study on Marine Diesel Engine Waste Heat Recovery System with Multi-Stage Flash. *Advanced Materials Research*, **2013**, 709, 297-300 | 0.5 | |
| 12 | Study on Cost Allocation in Marine Diesel Engine Cogeneration System. *Advanced Materials Research*, **2013**, 860-863, 1420-1424 | 0.5 | |
| 11 | Study on Reducing NOx Emission from a Marine Diesel Engine. *Advanced Materials Research*, **2013**, 850-851, 1313-1319 | 0.5 | |
| 10 | An Analysis on SOx Wet Scrubbers of Marine Diesel Engine. *Advanced Materials Research*, **2013**, 726-731, 2115-2119 | 0.5 | |
| 9 | Research on Vehicle Exhaust Waste Heat Power Generation Technology. *Applied Mechanics and Materials*, **2013**, 448-453, 2794-2798 | 0.3 | |
| 8 | Parametric Modeling Method for Composite Microstructure Virtual Testing. *Advanced Materials Research*, **2010**, 97-101, 1661-1664 | 0.5 | |
| 7 | Parametric Generation of Random Distribution of Fibers in Long-Fiber Reinforced Composites and Micromechanical FE Analysis. *Key Engineering Materials*, **2010**, 452-453, 117-120 | 0.4 | |
| 6 | Influence of Ply Angle on Failure Response of Bolted Composite Joint. *Advanced Materials Research* , **2011**, 383-390, 7128-7132 | 0.5 | |
| 5 | Failure Load Prediction of Bolted Single-Lap Composite Joint Based on XFEM. *Advanced Materials Research*, **2011**, 250-253, 742-745 | 0.5 | |
| 4 | Failure Analysis of Bolted Composite Joint Based on Extended Finite Element. *Key Engineering Materials*, **2011**, 488-489, 771-774 | 0.4 | |
| 3 | Research on Combustion Process and NOx Formation in a Marine Diesel Engine. *Advanced Materials Research*, **2011**, 214, 628-632 | 0.5 | |

# List of Publications

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| 2 | Development of a Reduced Methane-Hydrogen-Polyoxymethylene Dimethyl Ether Mechanism under Engine-Relevant Conditions. *ACS Omega*, **2021**, 6, 31499-31512 | 3.9 |
| 1 | Numerical Study on the Effect of Fuel Rich n-Heptane on In-Cylinder Fuel Reforming Characteristics in an HCCI Engine. *International Journal of Chemical Engineering*, **2021**, 2021, 1-14 | 2.2 |