

# Song Zhou

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/281846/song-zhou-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	Efficient removal of NO <sub>x</sub> from simulated marine exhaust by using O <sub>3</sub> -Na <sub>2</sub> SO <sub>3</sub> : Experimental factors and optimization analysis. <i>Fuel</i> , <b>2021</b> , 122659	7.1	2
54	Chemical Kinetic Study on Dual-Fuel Combustion: The Ignition Properties of n-Dodecane/Methane Mixture. <i>International Journal of Chemical Engineering</i> , <b>2021</b> , 2021, 1-17	2.2	1
53	Development of a Reduced Methane-Hydrogen-Polyoxymethylene Dimethyl Ether Mechanism under Engine-Relevant Conditions. <i>ACS Omega</i> , <b>2021</b> , 6, 31499-31512	3.9	
52	Numerical Study on the Effect of Fuel Rich n-Heptane on In-Cylinder Fuel Reforming Characteristics in an HCCI Engine. <i>International Journal of Chemical Engineering</i> , <b>2021</b> , 2021, 1-14	2.2	
51	A prospective absorption system for marine NO <sub>x</sub> removal from simulated gas using Na <sub>2</sub> SO <sub>3</sub> /urea composite absorbents in bubble reactor. <i>Fuel</i> , <b>2021</b> , 288, 119709	7.1	2
50	Study on removing NO from simulated marine diesel engine exhaust gas using the novel composite system of Ozone-Na <sub>2</sub> SO <sub>3</sub> /(NH <sub>2</sub> ) <sub>2</sub> CO. <i>Chemical Engineering Journal</i> , <b>2021</b> , 430, 132707	14.7	1
49	Relation analysis on emission control and economic cost of SCR system for marine diesels. <i>Science of the Total Environment</i> , <b>2021</b> , 788, 147856	10.2	6
48	Effects of hydrogen-enriched biogas on combustion and emission of a dual-fuel diesel engine. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2020</b> , 1-16	1.6	5
47	Effects of Pig Manure and Corn Straw Generated Biogas and Methane Enriched Biogas on Performance and Emission Characteristics of Dual Fuel Diesel Engines. <i>Energies</i> , <b>2020</b> , 13, 889	3.1	7
46	A Prospective Method for Absorbing NO <sub>2</sub> by the Addition of NaHSO <sub>3</sub> to Na <sub>2</sub> SO <sub>3</sub> -Based Absorbents for Ship NO <sub>x</sub> Wet Absorption. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 2055-2063	4.1	13
45	Novel Method Using Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub> as an Oxidant to Simultaneously Absorb SO <sub>2</sub> and NO from Marine Diesel Engine Exhaust Gases. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 1984-1991	4.1	8
44	EGR modeling and fuzzy evaluation of Low-Speed Two-Stroke marine diesel engines. <i>Science of the Total Environment</i> , <b>2020</b> , 706, 135444	10.2	8
43	A novel method for the synchronous absorption of SO <sub>2</sub> and NO from marine diesel engines. <i>Fuel Processing Technology</i> , <b>2020</b> , 210, 106560	7.2	3
42	A novel combined system using Na <sub>2</sub> SO <sub>3</sub> /urea to simultaneously remove SO and NO in marine diesel engine exhaust. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 399, 123069	12.8	5
41	Combustion and emission characteristics for a marine low-speed diesel engine with high-pressure SCR system. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 12851-12865	5.1	8
40	Influence of Injection Timing on Performance and Exhaust Emission of CI Engine Fuelled with Butanol-Diesel Using a 1D GT-Power Model. <i>Processes</i> , <b>2019</b> , 7, 299	2.9	7
39	A CFD analysis of static mixer to study its impacts on SCR performance in marine diesel engine <b>2019</b> ,		1

38	Performance Optimization of High-Pressure SCR System in a Marine Diesel Engine. Part I: Flow Optimization and Analysis. <i>Topics in Catalysis</i> , <b>2019</b> , 62, 27-39	2.3	9
37	Numerical Investigation of SCR Mixer Design Optimization for Improved Performance. <i>Processes</i> , <b>2019</b> , 7, 168	2.9	14
36	Performance Optimization of High-pressure SCR System in a Marine Diesel. Part II: Catalytic Reduction and Process. <i>Topics in Catalysis</i> , <b>2019</b> , 62, 40-48	2.3	10
35	New experimental results of NO removal from simulated marine engine exhaust gases by Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub> /urea solutions. <i>Chemical Engineering Journal</i> , <b>2019</b> , 362, 12-20	14.7	27
34	Influence of NH <sub>4</sub> NO <sub>3</sub> Formation on the NO <sub>x</sub> Reduction Pathways over Vanadium-based Catalyst under Diesel Exhaust Conditions. <i>Russian Journal of Physical Chemistry A</i> , <b>2018</b> , 92, 1473-1480	0.7	9
33	Comparative and numerical evaluation of methanol blends in CI diesel engine <b>2018</b> ,		2
32	Investigation of EGR With EGB (Exhaust Gas Bypass) on Low Speed Marine Diesel Engine Performance and Emission Characteristics <b>2017</b> ,		1
31	Experiment and Prediction Studies of Marine Exhaust Gas SO <sub>2</sub> and Particle Removal Based on NaOH Solution with a U-Type Scrubber. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 12376-12384	3.9	21
30	Numerical investigation of the effects of ethanol addition on the performance and emission characteristics of CI diesel engine <b>2017</b> ,		1
29	Characterization of Particle and Gaseous Emissions from Marine Diesel Engines with Different Fuels and Impact of After-Treatment Technology. <i>Energies</i> , <b>2017</b> , 10, 1110	3.1	15
28	Selection of a Waste Heat Recovery System for a Marine Diesel Engine Based on Exergy Analysis. <i>International Journal of Engineering Research in Africa</i> , <b>2016</b> , 25, 36-51	0.7	0
27	Marine Emission Pollution Abatement Using Ozone Oxidation by a Wet Scrubbing Method. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 5825-5831	3.9	29
26	Experimental Study and Model Analysis of Sodium Desulfurization in Marine Application. <i>Journal of Chemical Engineering of Japan</i> , <b>2015</b> , 48, 909-914	0.8	1
25	Study on Removing SO <sub>2</sub> and NO <sub>x</sub> Simultaneously in Ships Emissions by Wet Scrubbing Based on Natrium-Alkali Method. <i>Journal of Chemical Engineering of Japan</i> , <b>2015</b> , 48, 834-840	0.8	4
24	Marine SCR Technology Development and Prospects. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 472, 909-916	0.6	1
23	Discussion on Ship Exhaust Gas Washing Desulfurization Technology. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 472, 917-920	0.3	
22	Study on Marine Diesel Engine Waste Heat Recovery System with Multi-Stage Flash. <i>Advanced Materials Research</i> , <b>2013</b> , 709, 297-300	0.5	
21	Study on Cost Allocation in Marine Diesel Engine Cogeneration System. <i>Advanced Materials Research</i> , <b>2013</b> , 860-863, 1420-1424	0.5	

20	A Research on Waste Water Treatment Method of Marine Desulfurization Washing System. <i>Advanced Materials Research</i> , <b>2013</b> , 803, 43-46	0.5	1
19	Research on the Influence of Wind Energy on New Energy Utilization Coefficient of EEDI. <i>Advanced Materials Research</i> , <b>2013</b> , 744, 561-565	0.5	3
18	Study on Reducing NOx Emission from a Marine Diesel Engine. <i>Advanced Materials Research</i> , <b>2013</b> , 850-851, 1313-1319	0.5	
17	The Preparation of Honeycomb Cordierite Mn-Ce/TiO <sub>2</sub> Catalyst and Denitration Performance. <i>Advanced Materials Research</i> , <b>2013</b> , 744, 370-374	0.5	1
16	An Analysis on SOx Wet Scrubbers of Marine Diesel Engine. <i>Advanced Materials Research</i> , <b>2013</b> , 726-731, 2115-2119	0.5	
15	Research on Vehicle Exhaust Waste Heat Power Generation Technology. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 448-453, 2794-2798	0.3	
14	Exergetic Cost Analysis of Marine Diesel Engine Waste Heat Recovery System Based on Matrix Model Thermo-Economics. <i>Advanced Materials Research</i> , <b>2013</b> , 744, 566-570	0.5	0
13	A Research on the Application and Calculation of Wind Energy. <i>Advanced Materials Research</i> , <b>2013</b> , 744, 556-560	0.5	1
12	A Study on Exhaust Gas Emission Control Technology of Marine Diesel Engine. <i>Advanced Materials Research</i> , <b>2013</b> , 864-867, 1804-1809	0.5	6
11	A Study on SCR Catalyst Support. <i>Advanced Materials Research</i> , <b>2013</b> , 726-731, 17-20	0.5	1
10	Dynamics Analysis of Aircraft Landing on the Pitching Deck. <i>Key Engineering Materials</i> , <b>2011</b> , 467-469, 579-582	0.4	3
9	Influence of Ply Angle on Failure Response of Bolted Composite Joint. <i>Advanced Materials Research</i> , <b>2011</b> , 383-390, 7128-7132	0.5	
8	Failure Load Prediction of Bolted Single-Lap Composite Joint Based on XFEM. <i>Advanced Materials Research</i> , <b>2011</b> , 250-253, 742-745	0.5	
7	Failure Analysis of Bolted Composite Joint Based on Extended Finite Element. <i>Key Engineering Materials</i> , <b>2011</b> , 488-489, 771-774	0.4	
6	Properties Analysis of Bolted Composite T-Joint. <i>Key Engineering Materials</i> , <b>2011</b> , 467-469, 575-578	0.4	0
5	Research on Combustion Process and NOx Formation in a Marine Diesel Engine. <i>Advanced Materials Research</i> , <b>2011</b> , 214, 628-632	0.5	
4	Parametric Modeling Method for Composite Microstructure Virtual Testing. <i>Advanced Materials Research</i> , <b>2010</b> , 97-101, 1661-1664	0.5	
3	Parametric Generation of Random Distribution of Fibers in Long-Fiber Reinforced Composites and Micromechanical FE Analysis. <i>Key Engineering Materials</i> , <b>2010</b> , 452-453, 117-120	0.4	

2	Modeling and simulation of marine SCR system based on Modelica. <i>International Journal of Engine Research</i> ,146808742110722	2.7	4
1	Simulation study on transient performance of a marine engine matched with high-pressure SCR system. <i>International Journal of Engine Research</i> ,146808742210840	2.7	5