

# Bo Peng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7707017/publications.pdf>

Version: 2024-02-01

20  
papers

1,852  
citations

687220

13  
h-index

752573

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

3307  
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of surface lattice oxygen in single-atom Pt/CeO <sub>2</sub> for low-temperature CO oxidation. <i>Science</i> , 2017, 358, 1419-1423.	6.0	1,114
2	Fluorescent Probes Based on Nucleophilic Substitution <sup>o</sup> Cyclization for Hydrogen Sulfide Detection and Bioimaging. <i>Chemistry - A European Journal</i> , 2014, 20, 1010-1016.	1.7	204
3	Role of Active Phase in Fischer <sup>o</sup> Tropsch Synthesis: Experimental Evidence of CO Activation over Single-Phase Cobalt Catalysts. <i>ACS Catalysis</i> , 2018, 8, 7787-7798.	5.5	110
4	Li <sub>x</sub> NiO/Ni Heterostructure with Strong Basic Lattice Oxygen Enables Electrocatalytic Hydrogen Evolution with Pt-like Activity. <i>Journal of the American Chemical Society</i> , 2020, 142, 12613-12619.	6.6	103
5	Trapping Hydrogen Sulfide (H <sub>2</sub> S) with Diselenides: The Application in the Design of Fluorescent Probes. <i>Organic Letters</i> , 2015, 17, 1541-1544.	2.4	54
6	Enhancement of high-temperature selectivity on Cu-SSZ-13 towards NH <sub>3</sub> -SCR reaction from highly dispersed ZrO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118359.	10.8	42
7	Fluorescent Probes for Hydrogen Sulfide Detection. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 914-924.	1.3	38
8	Nitrogen Modified Carbon Nano-Materials as Stable Catalysts for Phosgene Synthesis. <i>ACS Catalysis</i> , 2016, 6, 5843-5855.	5.5	36
9	Importance of Methane Chemical Potential for Its Conversion to Methanol on Cu <sup>o</sup> Exchanged Mordenite. <i>Chemistry - A European Journal</i> , 2020, 26, 7563-7567.	1.7	31
10	Trail of sulfur during the desulfurization via reactive adsorption on Ni/ZnO. <i>Green Energy and Environment</i> , 2021, 6, 597-606.	4.7	24
11	Postsynthetic Oxidation of the Coordination Site in a Heterometallic Metal <sup>o</sup> Organic Framework: Tuning Catalytic Behaviors. <i>Chemistry of Materials</i> , 2020, 32, 5192-5199.	3.2	20
12	Dehydrogenative aromatization of 1-octene over multifunctional Ni/ZSM-5-P-Fe catalyst. <i>Fuel</i> , 2021, 299, 120890.	3.4	16
13	Efficient Cu catalyst for 5-hydroxymethylfurfural hydrogenolysis by forming Cu <sup>o</sup> O <sup>o</sup> Si bonds. <i>Catalysis Science and Technology</i> , 2020, 10, 7323-7330.	2.1	14
14	Slow generation of hydrogen sulfide from sulfane sulfurs and NADH models. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 542-545.	1.0	12
15	Hydrogen Sulfide Detection Using Nucleophilic Substitution <sup>o</sup> Cyclization-Based Fluorescent Probes. <i>Methods in Enzymology</i> , 2015, 554, 47-62.	0.4	10
16	Development of Ni/ZnO desulfurization adsorbent with high stability: Formation of Zn <sub>2</sub> SiO <sub>4</sub> and the impact from substrate. <i>Chemical Engineering Journal</i> , 2021, 409, 127374.	6.6	9
17	The cooperation effect of Ni and Pt in the hydrogenation of acetic acid. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 397-407.	2.3	6
18	Elucidating the Cooperative Roles of Water and Lewis Acid <sup>o</sup> Base Pairs in Cascade C <sup>o</sup> C Coupling and Self-Deoxygenation Reactions. <i>Jacs Au</i> , 2021, 1, 1471-1487.	3.6	5

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19	Importance of Methane Chemical Potential for Its Conversion to Methanol on Cu <sup>2+</sup> -exchanged Mordenite. <i>Chemistry - A European Journal</i> , 2020, 26, 7515-7515.	1.7	3
20	Impact of Zr on the Activity of MoO <sub>3</sub> /Ce <sub>1-x</sub> Zr <sub>x</sub> O <sub>2</sub> Catalysts for Sulfur-Resistant Methanation. <i>Topics in Catalysis</i> , 2021, 64, 582-590.	1.3	1