

# Changming Du

## List of Publications by Year in descending order

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31  
papers

776  
citations

567281

15  
h-index

501196

28  
g-index

31  
all docs

31  
docs citations

31  
times ranked

931  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Thermal Plasmas for VOCs Abatement. <i>Plasma Chemistry and Plasma Processing</i> , 2014, 34, 1033-1065.	2.4	130
2	Renewable Hydrogen Production by Alcohols Reforming Using Plasma and Plasma-Catalytic Technologies: Challenges and Opportunities. <i>Chemical Reviews</i> , 2015, 115, 1503-1542.	47.7	92
3	Decolorization of Acid Orange 7 solution by gas-liquid gliding arc discharge plasma. <i>Journal of Hazardous Materials</i> , 2008, 154, 1192-1197.	12.4	69
4	Hydrogen production by steam-oxidative reforming of bio-ethanol assisted by Laval nozzle arc discharge. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 8318-8329.	7.1	67
5	Gasification of corn cob using non-thermal arc plasma. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 12634-12649.	7.1	48
6	Cu <sub>2</sub> O nanoparticles synthesis by microplasma. <i>Scientific Reports</i> , 2014, 4, 7339.	3.3	47
7	Enhanced hydrogen production by methanol decomposition using a novel rotating gliding arc discharge plasma. <i>RSC Advances</i> , 2016, 6, 12770-12781.	3.6	41
8	Thermal Plasma Treatment of Medical Waste. <i>Plasma Chemistry and Plasma Processing</i> , 2021, 41, 1-46.	2.4	38
9	Rotating Gliding Arc Assisted Water Splitting in Atmospheric Nitrogen. <i>Plasma Chemistry and Plasma Processing</i> , 2016, 36, 813-834.	2.4	26
10	Degradation of PCDD/Fs in Fly Ash by Vortex-shaped Gliding Arc Plasma. <i>Plasma Chemistry and Plasma Processing</i> , 2013, 33, 293-305.	2.4	23
11	Plasma-catalysis reforming for H <sub>2</sub> production from ethanol. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 15398-15410.	7.1	23
12	Decomposition of volatile organic compounds using corona discharge plasma technology. <i>Journal of the Air and Waste Management Association</i> , 2019, 69, 879-899.	1.9	23
13	Renewable hydrogen from ethanol by a miniaturized nonthermal arc plasma-catalytic reforming system. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 9057-9069.	7.1	21
14	Upcycling Waste Lard Oil into Vertical Graphene Sheets by Inductively Coupled Plasma Assisted Chemical Vapor Deposition. <i>Nanomaterials</i> , 2017, 7, 318.	4.1	20
15	Decomposition of volatile organic compounds using gliding arc discharge plasma. <i>Journal of the Air and Waste Management Association</i> , 2020, 70, 138-157.	1.9	16
16	Thermal Plasma Treatment and Co-processing of Sludge for Utilization of Energy and Material. <i>Energy &amp; Fuels</i> , 2020, 34, 7775-7805.	5.1	16
17	Thermal Plasma Vitrification of MSWI Fly Ash Mixed With Different Biomass Ashes. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 3549-3554.	1.3	14
18	Qualitation and Quantitation on Microplasma Jet for Bacteria Inactivation. <i>Scientific Reports</i> , 2016, 6, 18838.	3.3	13

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19	Plasma Purification of Halogen Volatile Organic Compounds. IEEE Transactions on Plasma Science, 2018, 46, 838-858.	1.3	12
20	Adsorption Characteristics of Cu(II) and Pb(II) Ions onto Natural Manganese Ore from Aqueous Solution. Adsorption Science and Technology, 2008, 26, 613-629.	3.2	7
21	Two-Stage Pyrolysis/Gasification and Plasma Conversion Technology for the Utilization of Solid Waste. IEEE Transactions on Plasma Science, 2021, 49, 191-213.	1.3	6
22	Study of the Process and Mechanism of the Remediation of Phenol Contaminated Soil by Plasma Vibrated Bed. Plasma Chemistry and Plasma Processing, 2017, 37, 1635-1653.	2.4	4
23	Plasma Fluidized Bed. Advanced Topics in Science and Technology in China, 2018, , .	0.1	4
24	Plasma pyrolysis and gasification of carambola leaves using non-thermal arc plasma. Waste Disposal & Sustainable Energy, 2020, 2, 193-207.	2.5	4
25	Scientific and Industrial Application of Plasma Fluidized Bed. Advanced Topics in Science and Technology in China, 2018, , 81-121.	0.1	3
26	Synthesis of Syngas and Carbon Nanomaterials by Waste Rapeseed Oil Using Atmospheric Rotating Gliding Arc. Chemistry Letters, 2017, 46, 128-130.	1.3	2
27	A Portable Plasma Sterilizer. Plasma Chemistry and Plasma Processing, 2017, 37, 77-97.	2.4	2
28	Green hydrogen from bio-ethanol reforming using micro plasma. Waste Disposal & Sustainable Energy, 2020, 2, 275-289.	2.5	2
29	The Applications of Plasma Gas Injection for Pollutants Treatment. IEEE Transactions on Plasma Science, 2022, 50, 1999-2009.	1.3	2
30	Plasma remediation for petroleum pollution of the sea. Waste Disposal & Sustainable Energy, 2021, 3, 73-81.	2.5	1
31	Hydrodynamics of Plasma Fluidized Bed. Advanced Topics in Science and Technology in China, 2018, , 57-69.	0.1	0