

# Quang-Hung Trinh

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

499  
citations

687363

13  
h-index

677142

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

583  
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of ethylene from air stream by adsorption and plasma-catalytic oxidation using silver-based bimetallic catalysts supported on zeolite. <i>Journal of Hazardous Materials</i> , 2015, 285, 525-534.	12.4	90
2	Environmental plasma-catalysis for the energy-efficient treatment of volatile organic compounds. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 735-748.	2.7	50
3	Effect of the adsorbent/catalyst preparation method and plasma reactor configuration on the removal of dilute ethylene from air stream. <i>Catalysis Today</i> , 2015, 256, 170-177.	4.4	40
4	Non-Thermal Plasma Combined with Cordierite-Supported Mn and Fe Based Catalysts for the Decomposition of Diethylether. <i>Catalysts</i> , 2015, 5, 800-814.	3.5	37
5	Adsorption and plasma-catalytic oxidation of acetone over zeolite-supported silver catalyst. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 01AG04.	1.5	27
6	Removal of dilute nitrous oxide from gas streams using a cyclic zeolite adsorption-plasma decomposition process. <i>Chemical Engineering Journal</i> , 2016, 302, 12-22.	12.7	27
7	Multi-objective optimization of the flat burnishing process for energy efficiency and surface characteristics. <i>Materials and Manufacturing Processes</i> , 2019, 34, 1888-1901.	4.7	21
8	Robust hydrophobic coating on glass surface by an atmospheric-pressure plasma jet for plasma-polymerisation of hexamethyldisiloxane conjugated with (3-aminopropyl) triethoxysilane. <i>Surface Engineering</i> , 2019, 35, 466-475.	2.2	21
9	Plasma-catalytic decomposition of nitrous oxide over $\gamma$ -alumina-supported metal oxides. <i>Catalysis Today</i> , 2018, 310, 42-48.	4.4	19
10	Formation of plasma-polymerized superhydrophobic coating using an atmospheric-pressure plasma jet. <i>Thin Solid Films</i> , 2019, 675, 34-42.	1.8	19
11	Deposition of superhydrophobic coatings on glass substrates from hexamethyldisiloxane using a kHz-powered plasma jet. <i>Surface and Coatings Technology</i> , 2019, 361, 377-385.	4.8	18
12	Enhancement of plasma-assisted catalytic CO <sub>2</sub> reforming of CH <sub>4</sub> to syngas by avoiding outside air discharges from ground electrode. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 18519-18532.	7.1	17
13	Optimization of Milling Parameters for Energy Savings and Surface Quality. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 9111-9125.	3.0	15
14	Improvement of Electrical Measurement of a Dielectric Barrier Discharge Plasma Jet. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 2004-2010.	1.3	14
15	Generation of cold atmospheric plasma jet by a coaxial double dielectric barrier reactor. <i>Plasma Sources Science and Technology</i> , 2020, 29, 035014.	3.1	14
16	Analysis of an Ar plasma jet in a dielectric barrier discharge conjugated with a microsecond pulse. <i>Plasma Science and Technology</i> , 2019, 21, 095401.	1.5	13
17	Improvement of mechanical strength of hydrophobic coating on glass surfaces by an atmospheric pressure plasma jet. <i>Surface and Coatings Technology</i> , 2019, 357, 12-22.	4.8	13
18	Hydrophobic coating of silicate phosphor powder using atmospheric pressure dielectric barrier discharge plasma. <i>AIChE Journal</i> , 2014, 60, 829-838.	3.6	12

#	ARTICLE	IF	CITATIONS
19	Tailoring the wettability of glass using a double-dielectric barrier discharge reactor. Heliyon, 2018, 4, e00522.	3.2	12
20	Artificial neural network-based optimization of operating parameters for minimum quantity lubrication-assisted burnishing process in terms of surface characteristics. Neural Computing and Applications, 2022, 34, 7005-7031.	5.6	7
21	Multi-performance optimization of multi-roller burnishing process in sustainable lubrication condition. Materials and Manufacturing Processes, 2022, 37, 407-427.	4.7	6
22	Characteristics of Packed-bed Plasma Reactor with Dielectric Barrier Discharge for Treating. Applied Chemistry for Engineering, 2015, 26, 495-504.	0.2	5
23	Reprint of "Improvement of mechanical strength of hydrophobic coating on glass surfaces by an atmospheric pressure plasma jet". Surface and Coatings Technology, 2019, 376, 124785.	4.8	1
24	Combination of atmospheric pressure plasma with catalysts for dry reforming of methane to value-added chemicals. , 2022, , 273-312.		1
25	Hydrophobic Coating Of Glass Surface Using Atmospheric Pressure Dielectric Barrier Discharge Plasma. , 2017, , .		0
26	Surface Coating Treatment of Phosphor Powder Using Atmospheric Pressure Dielectric Barrier Discharge Plasma. Applied Chemistry for Engineering, 2014, 25, 455-462.	0.2	0