

Young Sun Mok

List of Publications by Year in descending order

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188
papers

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94381

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Practical-scale honeycomb catalytic reactor coupled with non-thermal plasma for high-throughput removal of isopropanol. <i>Chemical Engineering Journal</i> , 2022, 430, 132905.	6.6	14
2	Enhanced electrochemical disinfection of domestic aquaculture wastewater with energy production in reverse electrodialysis. <i>Aquaculture</i> , 2022, 548, 737554.	1.7	9
3	Plasma-catalytic oxidation of volatile organic compounds with honeycomb catalyst for industrial application. <i>Chemical Engineering Research and Design</i> , 2022, 177, 406-417.	2.7	15
4	Plasma-catalytic ethylene removal by a ZSM-5 washcoat honeycomb monolith impregnated with palladium. <i>Journal of Hazardous Materials</i> , 2022, 426, 127843.	6.5	11
5	Eco-Friendly Synthesis of Cobalt Molybdenum Hydroxide 3d Nanostructures on Carbon Fabric Coupled with Cherry Flower Waste-Derived Activated Carbon for Quasi-Solid-State Flexible Asymmetric Supercapacitors. <i>ACS Applied Nano Materials</i> , 2022, 5, 160-175.	2.4	37
6	Combination of atmospheric pressure plasma with catalysts for dry reforming of methane to value-added chemicals. , 2022, , 273-312.		1
7	Enhancing the Selective Catalytic Reduction of NO _x at Low Temperature by Pretreatment of Hydrocarbons in a Gliding Arc Plasma. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 3365-3373.	1.8	7
8	High-throughput volatile organic compounds removal in a sandwich-type honeycomb catalyst system combined with plasma. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121328.	10.8	3
9	Influence of Background Gas for Plasma-Assisted Catalytic Removal of Ethylene in a Modified Dielectric Barrier Discharge-Reactor. <i>ACS Agricultural Science and Technology</i> , 2022, 2, 113-122.	1.0	5
10	Activated carbon derived from cherry flower biowaste with a self-doped heteroatom and large specific surface area for supercapacitor and sodium-ion battery applications. <i>Chemosphere</i> , 2022, 303, 135290.	4.2	70
11	Visible-Light Driven Photodegradation of Industrial Pollutants Using Nitrogen-Tungsten Co-Doped Nanocrystalline TiO ₂ : Spectroscopic Analysis of Degradation Reaction Path. <i>Nanomaterials</i> , 2022, 12, 2246.	1.9	6
12	Nonthermal plasma in practical-scale honeycomb catalysts for the removal of toluene. <i>Journal of Hazardous Materials</i> , 2021, 404, 123958.	6.5	26
13	Dependence of humidified air plasma discharge performance in commercial honeycomb monoliths on the configuration and key parameters of the reactor. <i>Journal of Hazardous Materials</i> , 2021, 404, 124024.	6.5	11
14	High-Throughput NO _x Removal by Two-Stage Plasma Honeycomb Monolith Catalyst. <i>Environmental Science & Technology</i> , 2021, 55, 6386-6396.	4.6	11
15	Designing an Interlayer-Widened MoS ₂ -Packed Nitrogen-Rich Carbon Nanotube Core-Shell Structure for Redox-Mediated Quasi-Solid-State Supercapacitors. <i>ACS Applied Energy Materials</i> , 2021, 4, 2218-2230.	2.5	17
16	Enhancement of seed germination and microbial disinfection on ginseng by cold plasma treatment. <i>Journal of Ginseng Research</i> , 2021, 45, 519-526.	3.0	29
17	Effective practical removal of acetaldehyde by a sandwich-type plasma-in-honeycomb reactor under surrounding ambient conditions. <i>Journal of Hazardous Materials</i> , 2021, 415, 125608.	6.5	7
18	Non-thermal plasma in honeycomb catalyst for the high-throughput removal of dilute styrene from air. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105780.	3.3	6

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19	Removal of ethyl acetate in air by using different types of corona discharges generated in a honeycomb monolith structure coated with Pd/Al ₂ O ₃ -alumina. <i>Journal of Hazardous Materials</i> , 2021, 416, 126162.	6.5	16
20	Recovery of aluminum from water treatment sludge for phosphorus removal by combined calcination and extraction. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 103, 195-204.	2.9	8
21	Efficient removal of anionic, cationic textile dyes and salt mixture using a novel CS/MIL-100 (Fe) based nanofiltration membrane. <i>Chemosphere</i> , 2021, 284, 131244.	4.2	42
22	A high-flux metal-organic framework membrane (PSF/MIL-100 (Fe)) for the removal of microplastics adsorbing dye contaminants from textile wastewater. <i>Separation and Purification Technology</i> , 2021, 277, 119655.	3.9	39
23	Impact of Short Time Atmospheric Plasma Treatment on Onion Seeds. <i>Plasma Chemistry and Plasma Processing</i> , 2021, 41, 559-571.	1.1	9
24	Enhancement of plasma-assisted catalytic CO ₂ reforming of CH ₄ to syngas by avoiding outside air discharges from ground electrode. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 18519-18532.	3.8	17
25	Synergistic effects of nanocarbon spheres sheathed on a binderless CoMoO ₄ electrode for high-performance asymmetric supercapacitor. <i>Dalton Transactions</i> , 2020, 49, 14506-14519.	1.6	22
26	Effective removal of toluene at near room temperature using cyclic adsorption-oxidation operation in alternative fixed-bed plasma-catalytic reactor. <i>Chemical Engineering Research and Design</i> , 2020, 164, 299-310.	2.7	11
27	Efficient Degradation of Styrene in a Nonthermal Plasma-Catalytic System Over Pd/ZSM-5 Catalyst. <i>Plasma Chemistry and Plasma Processing</i> , 2020, 40, 1207-1220.	1.1	15
28	Evaluation of Low-Temperature NO _x Removal Over Ag/ZSM5 and Cu/ZSM5 Catalysts Coupled With Plasma. <i>IEEE Transactions on Plasma Science</i> , 2020, 48, 2448-2456.	0.6	9
29	Effective generation of atmospheric pressure plasma in a sandwich-type honeycomb monolith reactor by humidity control. <i>Chemical Engineering Journal</i> , 2020, 401, 125970.	6.6	30
30	Removal of dilute ethylene using repetitive cycles of adsorption and plasma-catalytic oxidation over Pd/ZSM-5 catalyst. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 334002.	1.3	8
31	Free-Standing PVDF/Reduced Graphene Oxide Film for All-Solid-State Flexible Supercapacitors towards Self-Powered Systems. <i>Micromachines</i> , 2020, 11, 198.	1.4	22
32	Improvement of Ethylene Removal Performance by Adsorption/Oxidation in a Pin-Type Corona Discharge Coupled with Pd/ZSM-5 Catalyst. <i>Catalysts</i> , 2020, 10, 133.	1.6	17
33	Generation of cold atmospheric plasma jet by a coaxial double dielectric barrier reactor. <i>Plasma Sources Science and Technology</i> , 2020, 29, 035014.	1.3	14
34	Propagation of humidified air plasma in a sandwich-type honeycomb plasma reactor and its dependence on the ambient temperature and reactor diameter. <i>Plasma Sources Science and Technology</i> , 2020, 29, 125016.	1.3	7
35	A highly efficient 2D siloxene coated Ni foam catalyst for methane dry reforming and an effective approach to recycle the spent catalyst for energy storage applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18950-18958.	5.2	48
36	Reprint of "Improvement of mechanical strength of hydrophobic coating on glass surfaces by an atmospheric pressure plasma jet". <i>Surface and Coatings Technology</i> , 2019, 376, 124785.	2.2	1

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37	Hierarchically Porous Nanostructured Nickel Phosphide with Carbon Particles Embedded by Dielectric Barrier Discharge Plasma Deposition as a Binder-Free Electrode for Hybrid Supercapacitors. ACS Sustainable Chemistry and Engineering, 2019, 7, 14805-14814.	3.2	24
38	Plasma-Assisted Selective Catalytic Reduction for Low-Temperature Removal of NO _x and Soot Simulant. Catalysts, 2019, 9, 853.	1.6	17
39	Deposition of superhydrophobic coatings on glass substrates from hexamethyldisiloxane using a kHz-powered plasma jet. Surface and Coatings Technology, 2019, 361, 377-385.	2.2	18
40	Application of plasma jet to the inhibition of the proliferation of hepatic malignant cells via reactive oxygen species generation. Plasma Processes and Polymers, 2019, 16, 1800173.	1.6	7
41	Analysis of an Ar plasma jet in a dielectric barrier discharge conjugated with a microsecond pulse. Plasma Science and Technology, 2019, 21, 095401.	0.7	13
42	Plasma-catalytic oxidation of ethylene over zeolite-supported catalysts to improve the storage stability of agricultural products. Catalysis Today, 2019, 337, 208-215.	2.2	21
43	Improvement of Electrical Measurement of a Dielectric Barrier Discharge Plasma Jet. IEEE Transactions on Plasma Science, 2019, 47, 2004-2010.	0.6	14
44	Formation of plasma-polymerized superhydrophobic coating using an atmospheric-pressure plasma jet. Thin Solid Films, 2019, 675, 34-42.	0.8	19
45	Enhanced Atmospheric Pressure Plasma Jet Performance by an Alternative Dielectric Barrier Discharge Configuration. IEEE Transactions on Plasma Science, 2019, 47, 4795-4801.	0.6	13
46	Effects of dielectric particles on non-oxidative coupling of methane in a dielectric barrier discharge plasma reactor. Chemical Engineering Journal, 2019, 377, 119896.	6.6	25
47	Dry Reforming of Propane over γ -Al ₂ O ₃ and Nickel Foam Supported Novel SrNiO ₃ Perovskite Catalyst. Catalysts, 2019, 9, 68.	1.6	17
48	Removal of NO _x by selective catalytic reduction coupled with plasma under temperature fluctuation condition. Journal of Industrial and Engineering Chemistry, 2019, 72, 400-407.	2.9	27
49	Robust hydrophobic coating on glass surface by an atmospheric-pressure plasma jet for plasma-polymerisation of hexamethyldisiloxane conjugated with (3-aminopropyl) triethoxysilane. Surface Engineering, 2019, 35, 466-475.	1.1	21
50	Improvement of mechanical strength of hydrophobic coating on glass surfaces by an atmospheric pressure plasma jet. Surface and Coatings Technology, 2019, 357, 12-22.	2.2	13
51	Tailoring the wettability of glass using a double-dielectric barrier discharge reactor. Heliyon, 2018, 4, e00522.	1.4	12
52	Growth and male reproduction improvement of non-thermal dielectric barrier discharge plasma treatment on chickens. Journal Physics D: Applied Physics, 2018, 51, 205201.	1.3	12
53	Iron-ceria spinel (FeCe ₂ O ₄) catalyst for dry reforming of propane to inhibit carbon formation. Journal of Industrial and Engineering Chemistry, 2018, 61, 142-151.	2.9	17
54	Plasma-catalytic decomposition of nitrous oxide over γ -alumina-supported metal oxides. Catalysis Today, 2018, 310, 42-48.	2.2	19

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55	Enhanced performance at an early state of hydrocarbon selective catalyst reduction of NOx by atmospheric pressure plasma. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 68, 372-379.	2.9	15
56	Non-thermal plasma treatment improves chicken sperm motility via the regulation of demethylation levels. <i>Scientific Reports</i> , 2018, 8, 7576.	1.6	17
57	Innovative Approach of Non-Thermal Plasma Application for Improving the Growth Rate in Chickens. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2301.	1.8	12
58	MicroRNA-7450 regulates non-thermal plasma-induced chicken Sertoli cell apoptosis via adenosine monophosphate-activated protein kinase activation. <i>Scientific Reports</i> , 2018, 8, 8761.	1.6	17
59	A smart mobile pouch as a biomechanical energy harvester towards self-powered smart wireless power transfer applications. <i>Nanoscale</i> , 2017, 9, 9818-9824.	2.8	50
60	Liquid electrolyte mediated flexible pouch-type hybrid supercapacitor based on binderless core-shell nanostructures assembled with honeycomb-like porous carbon. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11100-11113.	5.2	94
61	Growth-inducing effects of argon plasma on soybean sprouts via the regulation of demethylation levels of energy metabolism-related genes. <i>Scientific Reports</i> , 2017, 7, 41917.	1.6	92
62	Plasma Catalytic Removal of p-Xylene from Air Stream Using γ -Al ₂ O ₃ Supported Manganese Catalyst. <i>Topics in Catalysis</i> , 2017, 60, 944-954.	1.3	21
63	Consideration of the Role of Plasma in a Plasma-Coupled Selective Catalytic Reduction of Nitrogen Oxides with a Hydrocarbon Reducing Agent. <i>Catalysts</i> , 2017, 7, 325.	1.6	11
64	Hydrophobic Coating Of Glass Surface Using Atmospheric Pressure Dielectric Barrier Discharge Plasma. , 2017, , .		0
65	Exposure of keratinocytes to non-thermal dielectric barrier discharge plasma increases the level of 8-oxoguanine via inhibition of its repair enzyme. <i>Molecular Medicine Reports</i> , 2017, 16, 6870-6875.	1.1	5
66	Lethality of inappropriate plasma exposure on chicken embryonic development. <i>Oncotarget</i> , 2017, 8, 85642-85654.	0.8	23
67	Anodized Aluminum Oxide Supported NiO-CeO ₂ Catalyst for Dry Reforming of Propane. <i>Catalysts</i> , 2016, 6, 154.	1.6	11
68	Dielectric Barrier Discharge (DBD) Plasma Assisted Synthesis of Ag ₂ O Nanomaterials and Ag ₂ O/RuO ₂ Nanocomposites. <i>Nanomaterials</i> , 2016, 6, 42.	1.9	45
69	Effective use of an idle carbon-deposited catalyst for energy storage applications. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12571-12582.	5.2	32
70	Non-thermal gas plasma-induced endoplasmic reticulum stress mediates apoptosis in human colon cancer cells. <i>Oncology Reports</i> , 2016, 36, 2268-2274.	1.2	33
71	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.	6.6	27
72	Simultaneous removal of hydrocarbon and CO using a nonthermal plasma-catalytic hybrid reactor system. <i>Chemical Engineering Journal</i> , 2016, 299, 93-103.	6.6	18

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73	Environmental plasma-catalysis for the energy-efficient treatment of volatile organic compounds. Korean Journal of Chemical Engineering, 2016, 33, 735-748.	1.2	50
74	Non-thermal dielectric-barrier discharge plasma damages human keratinocytes by inducing oxidative stress. International Journal of Molecular Medicine, 2016, 37, 29-38.	1.8	21
75	Removal of Nitrogen Oxides Using Hydrocarbon Selective Catalytic Reduction Coupled with Plasma. Applied Chemistry for Engineering, 2016, 27, 92-100.	0.2	4
76	Non-thermal plasma degradation of dye using an underwater dielectric barrier discharge created inside a porous hydrophobic ceramic tube. Coloration Technology, 2015, 131, 73-80.	0.7	6
77	Synthesis, Characterization and Shape-Dependent Catalytic CO Oxidation Performance of Ruthenium Oxide Nanomaterials: Influence of Polymer Surfactant. Applied Sciences (Switzerland), 2015, 5, 344-358.	1.3	17
78	Non-Thermal Plasma Combined with Cordierite-Supported Mn and Fe Based Catalysts for the Decomposition of Diethylether. Catalysts, 2015, 5, 800-814.	1.6	37
79	Elucidation of the degradation pathways of sulfonamide antibiotics in a dielectric barrier discharge plasma system. Chemical Engineering Journal, 2015, 271, 31-42.	6.6	97
80	Removal of ethylene from air stream by adsorption and plasma-catalytic oxidation using silver-based bimetallic catalysts supported on zeolite. Journal of Hazardous Materials, 2015, 285, 525-534.	6.5	90
81	Defect-induced metallic-to-semiconducting transition in multilayer graphene. RSC Advances, 2015, 5, 16821-16827.	1.7	10
82	Effect of the adsorbent/catalyst preparation method and plasma reactor configuration on the removal of dilute ethylene from air stream. Catalysis Today, 2015, 256, 170-177.	2.2	40
83	Effect of packing materials on the decomposition of tetrafluoroethane in a packed-bed dielectric barrier discharge plasma reactor. International Journal of Environmental Science and Technology, 2015, 12, 499-506.	1.8	9
84	Catalytic Non-Thermal Plasma Decomposition of Ethylene by Using ZrO ₂ Nanoparticles. Plasma Processes and Polymers, 2015, 12, 214-224.	1.6	5
85	Adsorption and plasma-catalytic oxidation of acetone over zeolite-supported silver catalyst. Japanese Journal of Applied Physics, 2015, 54, 01AG04.	0.8	27
86	Dielectric barrier discharge plasma-mediated synthesis of several oxide nanomaterials and its characterization. Powder Technology, 2015, 269, 259-266.	2.1	10
87	Copper oxide nanomaterials: Synthesis, characterization and structure-specific antibacterial performance. Chemical Engineering Journal, 2015, 262, 179-188.	6.6	182
88	Atmospheric Pressure Plasma Treatment of Aqueous Bisphenol A Solution. Applied Chemistry for Engineering, 2015, 26, 311-318.	0.2	2
89	Characteristics of Packed-bed Plasma Reactor with Dielectric Barrier Discharge for Treating. Applied Chemistry for Engineering, 2015, 26, 495-504.	0.2	5
90	Size and Shape Effect of Metal Oxides on Hydrocarbon Selective Catalytic Reduction of Nitrogen Oxides. Journal of the Korean Institute of Gas, 2015, 19, 20-28.	0.1	1

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91	Effects of in situ and ex situ formations of silica nanoparticles on polyethersulfone membranes. <i>Polymer Bulletin</i> , 2014, 71, 2851-2861.	1.7	11
92	Shape-dependent plasma-catalytic activity of ZnO nanomaterials coated on porous ceramic membrane for oxidation of butane. <i>Chemosphere</i> , 2014, 117, 440-446.	4.2	10
93	Non-thermal plasma-catalytic decomposition of volatile organic compounds using alumina supported metal oxide nanoparticles. <i>Surface and Coatings Technology</i> , 2014, 259, 12-19.	2.2	17
94	Underwater capillary discharge with air and oxygen addition. <i>Journal of the Korean Physical Society</i> , 2014, 65, 1404-1413.	0.3	9
95	Synthesis of RuO ₂ nanomaterials under dielectric barrier discharge plasma at atmospheric pressure and influence of substrates on the morphology and application. <i>Chemical Engineering Journal</i> , 2014, 239, 290-298.	6.6	19
96	Effect of porosity of γ -alumina on non-thermal plasma decomposition of ethylene in a dielectric-packed bed reactor. <i>Research on Chemical Intermediates</i> , 2014, 40, 1483-1493.	1.3	13
97	Plasma-induced photoresponse in few-layer graphene. <i>Carbon</i> , 2014, 73, 25-33.	5.4	8
98	Hydrophobic coating of silicate phosphor powder using atmospheric pressure dielectric barrier discharge plasma. <i>AIChE Journal</i> , 2014, 60, 829-838.	1.8	12
99	Effect of bio-mediated route synthesized silver nanoparticles for modification of polyethersulfone membranes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 451, 151-160.	2.3	24
100	Plasma-catalytic oxidation of acetone in annular porous monolithic ceramic-supported catalysts. <i>Chemical Engineering Journal</i> , 2014, 251, 199-206.	6.6	63
101	Preparation of red nitride phosphor from powder mixture of metal nitrides using spark plasma sintering. <i>Current Applied Physics</i> , 2014, 14, 1051-1056.	1.1	7
102	Plasma-reduced Ni ₃ Al ₂ O ₃ and CeO ₂ -Ni ₃ Al ₂ O ₃ catalysts for improving dry reforming of propane. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 16329-16338.	3.8	25
103	Plasma-photocatalytic degradation of dyeing wastewater: comparison of titanium oxide, zinc oxide, and graphene oxide. <i>Coloration Technology</i> , 2014, 130, 120-126.	0.7	2
104	Decomposition of taste-and-odor compounds produced by cyanobacteria algae using atmospheric pressure plasma created inside a porous hydrophobic ceramic tube. <i>Chemical Engineering Journal</i> , 2014, 247, 291-301.	6.6	24
105	Plasma Assisted Synthesis of Graphene Nanosheets and Their Supercapacitor Applications. <i>Science of Advanced Materials</i> , 2014, 6, 349-353.	0.1	24
106	Oxidation of Isopropyl Alcohol in Air by a Catalytic Plasma Reactor System. <i>Applied Chemistry for Engineering</i> , 2014, 25, 531-537.	0.2	3
107	Plasma-assisted Catalysis for the Abatement of Isopropyl Alcohol over Metal Oxides. <i>Clean Technology</i> , 2014, 20, 375-382.	0.1	1
108	Hydrophobic Coating on Fish Feed Using Dielectric Barrier Discharge Plasma Polymerization. <i>Applied Chemistry for Engineering</i> , 2014, 25, 174-180.	0.2	0

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109	Sterilization of Scoria Powder by Corona Discharge Plasma. Applied Chemistry for Engineering, 2014, 25, 386-391.	0.2	3
110	Surface Coating Treatment of Phosphor Powder Using Atmospheric Pressure Dielectric Barrier Discharge Plasma. Applied Chemistry for Engineering, 2014, 25, 455-462.	0.2	0
111	Decomposition of Ethylene using a Hybrid Catalyst-packed Bed Plasma Reactor System. Journal of Korean Society for Atmospheric Environment, 2014, 30, 577-585.	0.2	1
112	Degradation of Synthetic Dyeing Wastewater by Underwater Electrical Discharge Processes. Plasma Science and Technology, 2013, 15, 659-665.	0.7	7
113	Effect of various parameters for butane decomposition under ambient temperature in a dielectric barrier discharge non-thermal plasma reactor. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 786-794.	2.7	25
114	Plasma-assisted Catalytic Ceramic Membrane Reactor for Volatile Organic Compound Control. IEEE Transactions on Plasma Science, 2013, 41, 3021-3029.	0.6	18
115	Plasma-assisted catalytic methanation of CO and CO ₂ over Ni-zeolite catalysts. Fuel Processing Technology, 2013, 108, 89-93.	3.7	135
116	Novel RuO ₂ nanosheets: Facile synthesis, characterization and application. Chemical Engineering Journal, 2013, 223, 729-736.	6.6	36
117	Regeneration of C ₄ H ₁₀ dry reforming catalyst by nonthermal plasma. Journal of Energy Chemistry, 2013, 22, 394-402.	7.1	15
118	Degradation of veterinary antibiotics by dielectric barrier discharge plasma. Chemical Engineering Journal, 2013, 219, 19-27.	6.6	110
119	Time dependence of ethylene decomposition and byproducts formation in a continuous flow dielectric-packed plasma reactor. Chemosphere, 2013, 91, 685-691.	4.2	25
120	A dielectric barrier discharge (DBD) plasma reactor: an efficient tool to prepare novel RuO ₂ nanorods. Journal Physics D: Applied Physics, 2013, 46, 155202.	1.3	41
121	Production of methane from carbon monoxide and carbon dioxide in a plasma-catalytic combined reactor system. International Journal of Sustainable Development and Planning, 2013, 8, 186-196.	0.3	5
122	Plasma-mediated Hydrophobic Coating on a Silicate-based Yellow Phosphor for the Enhancement of Durability. Korean Chemical Engineering Research, 2013, 51, 214-220.	0.2	2
123	Decomposition of trifluoromethane in a dielectric barrier discharge non-thermal plasma reactor. Journal of Environmental Sciences, 2012, 24, 1234-1239.	3.2	31
124	Characteristics of Sr ₂ SiO ₄ :Eu ²⁺ Green Phosphor Synthesized in the Presence of Nonthermal Plasma Discharge. Molecular Crystals and Liquid Crystals, 2012, 564, 1-9.	0.4	2
125	Effects of a nonthermal plasma discharge on the structural and the luminescent properties of a Sr ₂ SiO ₄ :Eu ²⁺ green phosphor. Journal of the Korean Physical Society, 2012, 61, 1578-1581.	0.3	0
126	Treatment of toluene by using adsorption and nonthermal plasma oxidation process. Current Applied Physics, 2011, 11, S58-S62.	1.1	43

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127	Effect of temperature on the decomposition of trifluoromethane in a dielectric barrier discharge reactor. Thin Solid Films, 2011, 519, 6960-6963.	0.8	21
128	10.2478/s11814-009-0248-x. , 2011, 26, 1613.		0
129	Destruction of hexafluoroethane in a dielectric-packed bed plasma reactor. Journal of Zhejiang University: Science A, 2010, 11, 538-544.	1.3	3
130	Effect of Nonthermal Plasma on the Methanation of Carbon Monoxide over Nickel Catalyst. Plasma Chemistry and Plasma Processing, 2010, 30, 437-447.	1.1	27
131	Nonthermal Plasma Destruction of Trifluoromethane Using a Dielectric- Packed Bed Reactor. Journal of Advanced Oxidation Technologies, 2010, 13, .	0.5	2
132	? Nonthermal Plasma-enhanced Catalytic Methanation of CO over Ru/TiO ₂ /Al ₂ O ₃ . Journal of the Korean Physical Society, 2010, 57, 451-457.	0.3	9
133	Destruction of Chlorodifluoromethane (CHF_2Cl) by Using Dielectric Barrier Discharge Plasma. IEEE Transactions on Plasma Science, 2009, 37, 449-455.	0.6	10
134	Gaseous ozone decomposition using a nonthermal plasma reactor with adsorbent and dielectric pellets. Korean Journal of Chemical Engineering, 2009, 26, 1613-1619.	1.2	7
135	Destruction of HCFC-22 and Distribution of Byproducts in a Nonthermal Plasma Reactor Packed with Dielectric Pellets. Journal of the Korean Physical Society, 2009, 54, 1539-1546.	0.3	8
136	Abatement of Trichloromethane by Using Nonthermal Plasma Reactors. Plasma Chemistry and Plasma Processing, 2008, 28, 663-676.	1.1	25
137	Reduction of NO _x in diesel engine emissions by using a plasmatron fuel reformer. Korean Journal of Chemical Engineering, 2008, 25, 84-88.	1.2	3
138	Degradation of an azo dye Orange II using a gas phase dielectric barrier discharge reactor submerged in water. Chemical Engineering Journal, 2008, 142, 56-64.	6.6	125
139	Decomposition of Hydrofluorocarbons in a Dielectric-Packed Plasma Reactor. Journal of Physical Chemistry A, 2008, 112, 6586-6591.	1.1	26
140	Dielectric Barrier Discharge Plasma-Induced Photocatalysis and Ozonation for the Treatment of Wastewater. Plasma Science and Technology, 2008, 10, 100-105.	0.7	26
141	Treatment of Dyeing Wastewater by Using Positive Pulsed Corona Discharge to Water Surface. Plasma Science and Technology, 2007, 9, 71-75.	0.7	12
142	Gaseous Electrical Discharge-Induced Degradation of Organic Compound in Wastewater: UV Irradiation and Ozonation Effect. Journal of Advanced Oxidation Technologies, 2007, 10, .	0.5	1
143	Application of Dielectric Barrier Discharge Reactor Immersed in Wastewater to the Oxidative Degradation of Organic Contaminant. Plasma Chemistry and Plasma Processing, 2007, 27, 51-64.	1.1	46
144	Degradation of a textile azo dye by pulsed arc discharge to the surface of wastewater. Korean Journal of Chemical Engineering, 2007, 24, 607-611.	1.2	11

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145	Effect of Ozone Injection on the Catalytic Reduction of Nitrogen Oxides. <i>Ozone: Science and Engineering</i> , 2006, 28, 105-110.	1.4	23
146	Degradation of Organic Contaminant by Using Dielectric Barrier Discharge Reactor Immersed in Wastewater. <i>IEEE Transactions on Plasma Science</i> , 2006, 34, 2624-2629.	0.6	17
147	Modeling of Monolith Reactor Washcoated with CuZSM5 Catalyst for Removing NO from Diesel Engine by Urea. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 5258-5267.	1.8	54
148	Removal of sulfur dioxide and nitrogen oxides by using ozone injection and absorptionâ€“reduction technique. <i>Fuel Processing Technology</i> , 2006, 87, 591-597.	3.7	182
149	Absorptionâ€“reduction technique assisted by ozone injection and sodium sulfide for NOx removal from exhaust gas. <i>Chemical Engineering Journal</i> , 2006, 118, 63-67.	6.6	72
150	Direct and Indirect Applications of Dielectric Barrier Discharge Plasma to Catalytic Reduction of Nitrogen Oxides from Exhaust Gas. <i>Plasma Science and Technology</i> , 2006, 8, 207-212.	0.7	9
151	Behaviour of Trichloroethylene Decomposition in a Plasma-Catalytic Combined Process. <i>Plasma Science and Technology</i> , 2006, 8, 661-665.	0.7	3
152	PURIFICATION OF DYEING WASTEWATER BY USING ELECTRICAL DISCHARGE PLASMA. <i>Environmental Engineering and Management Journal</i> , 2006, 5, 675-676.	0.2	1
153	Combined Desulphurization and Denitrification Using Dielectric Barrier Discharge and Wet Reduction Technique. <i>Journal of Chemical Engineering of Japan</i> , 2006, 39, 366-372.	0.3	5
154	Improvement in selective catalytic reduction of nitrogen oxides by using dielectric barrier discharge. <i>Chemical Engineering Journal</i> , 2005, 110, 79-85.	6.6	19
155	Simultaneous Removal of Nitrogen Oxides and Particulate Matters from Diesel Engine Exhaust using Dielectric Barrier Discharge and Catalysis Hybrid System. <i>Plasma Chemistry and Plasma Processing</i> , 2005, 25, 625-639.	1.1	47
156	Control of NOxEmissions from Diesel Engine by Selective Catalytic Reduction (SCR) with Urea. <i>Topics in Catalysis</i> , 2004, 30/31, 37-41.	1.3	128
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