

# Heon Lee

## List of Publications by Year in descending order

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51  
papers

827  
citations

516710

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526287

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g-index

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51  
docs citations

51  
times ranked

949  
citing authors

| #  | ARTICLE                                                                                                                                                                                                        | IF   | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Photocatalytic hydrogen production using liquid phase plasma from ammonia water over metal ion-doped TiO <sub>2</sub> photocatalysts. <i>Catalysis Today</i> , 2022, 397-399, 165-172.                         | 4.4  | 11        |
| 2  | Diclofenac degradation properties of a La-doped visible light-responsive TiO <sub>2</sub> photocatalyst. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 25, 100564.                                         | 3.3  | 3         |
| 3  | Preparation of N and Eu doped TiO <sub>2</sub> using plasma in liquid process and its photocatalytic degradation activity for diclofenac. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 2080-2088. | 2.7  | 6         |
| 4  | Decomposition of naproxen by plasma in liquid process with TiO <sub>2</sub> photocatalysts and hydrogen peroxide. <i>Environmental Research</i> , 2021, 195, 110899.                                           | 7.5  | 4         |
| 5  | Acetaldehyde Adsorption Characteristics of Ag/ACF Composite Prepared by Liquid Phase Plasma Method. <i>Nanomaterials</i> , 2021, 11, 2344.                                                                     | 4.1  | 1         |
| 6  | Preparation and Characterization of Silver-Iron Bimetallic Nanoparticles on Activated Carbon Using Plasma in Liquid Process. <i>Nanomaterials</i> , 2021, 11, 3385.                                            | 4.1  | 2         |
| 7  | Effect of constituent processes and conditions of the hybrid TiO <sub>2</sub> photocatalytic system on 1,4-dichlorobenzene degradation. <i>Catalysis Today</i> , 2020, 348, 270-276.                           | 4.4  | 1         |
| 8  | Assessment of photocatalytic performance of Fe/N-TiO <sub>2</sub> photocatalysts prepared by liquid phase plasma process. <i>Catalysis Today</i> , 2020, 355, 435-442.                                         | 4.4  | 11        |
| 9  | Facile Preparation of Ni-Co Bimetallic Oxide/Activated Carbon Composites Using the Plasma in Liquid Process for Supercapacitor Electrode Applications. <i>Nanomaterials</i> , 2020, 10, 61.                    | 4.1  | 8         |
| 10 | Degradation behaviors of naproxen by a hybrid TiO <sub>2</sub> photocatalyst system with process components. <i>Science of the Total Environment</i> , 2020, 708, 135216.                                      | 8.0  | 14        |
| 11 | Rapid decomposition of chloroform by a liquid phase plasma reaction with titanium dioxide and hydrogen peroxide. <i>Catalysis Today</i> , 2020, 352, 54-59.                                                    | 4.4  | 3         |
| 12 | Assessing the photocatalytic activity of europium doped TiO <sub>2</sub> using liquid phase plasma process on acetylsalicylic acid. <i>Catalysis Today</i> , 2020, , .                                         | 4.4  | 5         |
| 13 | Fabrication of Yb-doped TiO <sub>2</sub> using liquid phase plasma process and its photocatalytic degradation activity of naproxen. <i>Journal of Materials Science</i> , 2020, 55, 9665-9675.                 | 3.7  | 8         |
| 14 | The photocatalytic destruction of cimetidine using microwave-assisted TiO <sub>2</sub> photocatalysts hybrid system. <i>Journal of Hazardous Materials</i> , 2020, 391, 122568.                                | 12.4 | 15        |
| 15 | Fabrication of Molybdenum Oxide/Activated Carbon Using Liquid Phase Plasma Reaction and Its Electrochemical Performance. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 5579-5582.               | 0.9  | 0         |
| 16 | Preparation of silicon oxide-carbon composite from benzene and trimethoxyphenylsilane by a liquid phase plasma method for supercapacitor applications. <i>Applied Surface Science</i> , 2019, 481, 625-631.    | 6.1  | 9         |
| 17 | Assessment of Degradation Behavior for Acetylsalicylic Acid Using a Plasma in Liquid Process. <i>Catalysts</i> , 2019, 9, 965.                                                                                 | 3.5  | 3         |
| 18 | Preparation and Characterization of Bimetallic Fe-Ni Oxide Nanoparticles Using Liquid Phase Plasma Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 2362-2365.                            | 0.9  | 1         |

| #  | ARTICLE                                                                                                                                                                                                        | IF   | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Degradation of dimethyl phthalate using a liquid phase plasma process with TiO <sub>2</sub> photocatalysts. Environmental Research, 2019, 169, 256-260.                                                        | 7.5  | 19        |
| 20 | Facile Synthesis of Chromium Oxide on Activated Carbon Electrodes for Electrochemical Capacitor Application. Journal of Nanoscience and Nanotechnology, 2019, 19, 1078-1081.                                   | 0.9  | 2         |
| 21 | Fabrication of Gd-La codoped TiO <sub>2</sub> composite via a liquid phase plasma method and its application as visible-light photocatalysts. Applied Surface Science, 2019, 471, 893-899.                     | 6.1  | 33        |
| 22 | Facile preparation of tungsten oxide doped TiO <sub>2</sub> photocatalysts using liquid phase plasma process for enhanced degradation of diethyl phthalate. Chemical Engineering Journal, 2019, 377, 120087.   | 12.7 | 45        |
| 23 | Facile precipitation of tin oxide nanoparticles on graphene sheet by liquid phase plasma method for enhanced electrochemical properties. Korean Journal of Chemical Engineering, 2018, 35, 750-756.            | 2.7  | 13        |
| 24 | Rapid photocatalytic degradation of nitrobenzene under the simultaneous illumination of UV and microwave radiation fields with a TiO <sub>2</sub> ball catalyst. Catalysis Today, 2018, 307, 65-72.            | 4.4  | 42        |
| 25 | Enhanced Electrochemical Performance of Carbon Nanotube with Nitrogen and Iron Using Liquid Phase Plasma Process for Supercapacitor Applications. International Journal of Molecular Sciences, 2018, 19, 3830. | 4.1  | 6         |
| 26 | Liquid Phase Plasma Synthesis of Iron Oxide Nanoparticles on Nitrogen-Doped Activated Carbon Resulting in Nanocomposite for Supercapacitor Applications. Nanomaterials, 2018, 8, 190.                          | 4.1  | 19        |
| 27 | Facile Synthesis and Characterization of Zinc Oxide Nanoparticle on Activated Carbon Using Liquid Phase Plasma Method. Journal of Nanoscience and Nanotechnology, 2018, 18, 2181-2184.                         | 0.9  | 0         |
| 28 | Precipitation of Nickel Oxide on TiO <sub>2</sub> Photocatalysts for Enhanced Visible Degradation Activity. Journal of Nanoscience and Nanotechnology, 2018, 18, 1279-1282.                                    | 0.9  | 0         |
| 29 | Assembling a supercapacitor electrode with dual metal oxides and activated carbon using a liquid phase plasma. Journal of Environmental Management, 2017, 203, 880-887.                                        | 7.8  | 10        |
| 30 | Precipitation of Tin Oxide Nanoparticles on Graphene Sheets Using a Liquid Phase Plasma Process. Journal of Nanoscience and Nanotechnology, 2017, 17, 4288-4291.                                               | 0.9  | 1         |
| 31 | Enhancement of Hydrogen Evolution from Water Photocatalysis Using Liquid Phase Plasma on Metal Oxide-Loaded Photocatalysts. ACS Sustainable Chemistry and Engineering, 2017, 5, 3659-3666.                     | 6.7  | 32        |
| 32 | Improving removal of 4-chlorophenol using a TiO <sub>2</sub> photocatalytic system with microwave and ultraviolet radiation. Catalysis Today, 2017, 293-294, 15-22.                                            | 4.4  | 41        |
| 33 | Facile synthesis of iron-ruthenium bimetallic oxide nanoparticles on carbon nanotube composites by liquid phase plasma method for supercapacitor. Korean Journal of Chemical Engineering, 2017, 34, 2993-2998. | 2.7  | 42        |
| 34 | Characterization of Bimetallic Fe-Ru Oxide Nanoparticles Prepared by Liquid-Phase Plasma Method. Nanoscale Research Letters, 2016, 11, 344.                                                                    | 5.7  | 12        |
| 35 | Precipitation of Manganese and Nickel Nanoparticles on an Activated Carbon Powder for Electrochemical Capacitor Applications. Journal of Nanoscience and Nanotechnology, 2016, 16, 11460-11464.                | 0.9  | 1         |
| 36 | Fe-decorated TiO <sub>2</sub> powder photocatalysts with enhanced visible-light-driven degradation activities. Surface and Coatings Technology, 2016, 307, 1018-1023.                                          | 4.8  | 10        |

| #  | ARTICLE                                                                                                                                                                                            | IF   | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Rapid degradation of methyl orange using hybrid advanced oxidation process and its synergistic effect. Journal of Industrial and Engineering Chemistry, 2016, 35, 205-210.                         | 5.8  | 57        |
| 38 | Application of Recycled Zero-Valent Iron Nanoparticle to the Treatment of Wastewater Containing Nitrobenzene. Journal of Nanomaterials, 2015, 2015, 1-8.                                           | 2.7  | 11        |
| 39 | Photo-catalytic destruction of ethylene using microwave discharge electrodeless lamp. Korean Journal of Chemical Engineering, 2015, 32, 1188-1193.                                                 | 2.7  | 23        |
| 40 | Effect of the surfactant on size of nickel nanoparticles generated by liquid-phase plasma method. International Journal of Precision Engineering and Manufacturing, 2015, 16, 1305-1310.           | 2.2  | 11        |
| 41 | Titanium dioxide modification with cobalt oxide nanoparticles for photocatalysis. Journal of Industrial and Engineering Chemistry, 2015, 32, 259-263.                                              | 5.8  | 41        |
| 42 | Synthesis of manganese oxide/activated carbon composites for supercapacitor application using a liquid phase plasma reduction system. International Journal of Hydrogen Energy, 2015, 40, 754-759. | 7.1  | 35        |
| 43 | Photocatalytic reactions of 2,4-dichlorophenoxyacetic acid using a microwave-assisted photocatalysis system. Chemical Engineering Journal, 2015, 278, 259-264.                                     | 12.7 | 35        |
| 44 | Preparation and Characterization of Copper Nanoparticles via the Liquid Phase Plasma Method. Current Nanoscience, 2014, 10, 7-10.                                                                  | 1.2  | 31        |
| 45 | Contribution of Dissolved Oxygen to Methyl Orange Decomposition by Liquid Phase Plasma Processes System. Ozone: Science and Engineering, 2014, 36, 244-248.                                        | 2.5  | 13        |
| 46 | The Effect of Liquid Phase Plasma for Photocatalytic Degradation of Bromothymol Blue. Science of Advanced Materials, 2014, 6, 1627-1631.                                                           | 0.7  | 8         |
| 47 | Rapid destruction of the rhodamine B using TiO <sub>2</sub> photocatalyst in the liquid phase plasma. Chemistry Central Journal, 2013, 7, 156.                                                     | 2.6  | 31        |
| 48 | Preparation of nonaggregated silver nanoparticles by the liquid phase plasma reduction method. Journal of Materials Research, 2013, 28, 1105-1110.                                                 | 2.6  | 53        |
| 49 | Bipolar Pulsed Electrical Discharge for Decomposition of Methylene Blue in Aqueous TiO <sub>2</sub> Nanoparticle Dispersions. Journal of Nanoscience and Nanotechnology, 2013, 13, 1966-1969.      | 0.9  | 4         |
| 50 | Photocatalytic Properties of Titanate Nanotube Powders Prepared by Alkaline Hydrothermal Method. Journal of Nanoscience and Nanotechnology, 2011, 11, 7357-7360.                                   | 0.9  | 3         |
| 51 | Photocatalyzed destruction of organic dyes using microwave/UV/O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> /TiO <sub>2</sub> oxidation system. Catalysis Today, 2011, 164, 384-390.               | 4.4  | 38        |