

# Moon Gyu Han

## List of Publications by Year in descending order

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29  
papers

2,412  
citations

304368

22  
h-index

500791

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

3262  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Narrow-Band Organic Photodiodes for High-Resolution Imaging. ACS Applied Materials & Interfaces, 2016, 8, 26143-26151.  | 4.0  | 59        |
| 2  | Organic-on-silicon complementary metal-oxide-semiconductor colour image sensors. Scientific Reports, 2015, 5, 7708.   | 1.6  | 94        |
| 3  | Stability enhancement of an electrically tunable colloidal photonic crystal using modified electrodes with a large electrochemical potential window. Applied Physics Letters, 2014, 104, .          | 1.5  | 20        |
| 4  | Structural Color Manipulation Using Tunable Photonic Crystals with Enhanced Switching Reliability. Advanced Optical Materials, 2014, 2, 535-541.  | 3.6  | 35        |
| 5  | Electrically tunable photonic crystals from long-range ordered crystalline arrays composed of copolymer colloids. Journal of Materials Chemistry C, 2013, 1, 5791.                                  | 2.7  | 35        |
| 6  | Spectral reflectance switching of colloidal photonic crystal structure composed of positively charged TiO <sub>2</sub> nanoparticles. Applied Physics Letters, 2012, 100, .                         | 1.5  | 23        |
| 7  | Full Color Tunable Photonic Crystal from Crystalline Colloidal Arrays with an Engineered Photonic Stop-Band. Advanced Materials, 2012, 24, 6438-6444.   | 11.1 | 147       |
| 8  | Flexible, Angle-Independent, Structural Color Reflectors Inspired by Morpho Butterfly Wings. Advanced Materials, 2012, 24, 2375-2379.   | 11.1 | 276       |
| 9  | Angle-Independent Reflectors: Flexible, Angle-Independent, Structural Color Reflectors Inspired by Morpho Butterfly Wings (Adv. Mater. 18/2012). Advanced Materials, 2012, 24, 2366-2366.           | 11.1 | 8         |
| 10 | Controlled degradation of poly(ethyl cyanoacrylate-co-methyl methacrylate) (PECA-co-PMMA) copolymers. Polymer, 2009, 50, 1270-1280.   | 1.8  | 25        |
| 11 | Synthesis and degradation behavior of poly(ethyl cyanoacrylate). Polymer Degradation and Stability, 2008, 93, 1243-1251.  | 2.7  | 67        |
| 12 | Inkjet-printed electrochromic devices utilizing polyaniline-silica and poly(3,4-ethylenedioxythiophene)-silica colloidal composite particles. Journal of Materials Chemistry, 2008, 18, 594.        | 6.7  | 86        |
| 13 | Polyaniline coated poly(butyl methacrylate) core-shell particles: roll-to-roll printing of templated electrically conductive structures. Journal of Materials Chemistry, 2007, 17, 1347-1352.       | 6.7  | 41        |
| 14 | Electrochemical tuning the optical properties of crystalline colloidal arrays composed of poly(3,4-ethylenedioxythiophene) coated silica particles. Journal of Materials Chemistry, 2007, 17, 1149. | 6.7  | 15        |
| 15 | Facile Synthesis of Poly(3,4-ethylenedioxythiophene) Nanofibers from an Aqueous Surfactant Solution. Small, 2006, 2, 1164-1169.   | 5.2  | 164       |
| 16 | 1-Dimensional structures of poly(3,4-ethylenedioxythiophene)(PEDOT): a chemical route to tubes, rods, thimbles, and belts. Chemical Communications, 2005, , 3092.                                   | 2.2  | 125       |
| 17 | Preparation of poly(3,4-ethylenedioxythiophene) (PEDOT) coated silica core-shell particles and PEDOT hollow particles. Chemical Communications, 2004, , 2154-2155.                                  | 2.2  | 82        |
| 18 | Poly(3,4-ethylenedioxythiophene) nanoparticles prepared in aqueous DBSA solutions. Synthetic Metals, 2004, 141, 293-299.  | 2.1  | 218       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Preparation and characterization of polypyrrole-silica colloidal nanocomposites in water-methanol mixtures. Journal of Colloid and Interface Science, 2003, 262, 418-427. | 5.0 | 49        |
| 20 | Synthesis of Poly(3,4-ethylenedioxythiophene)/Silica Colloidal Nanocomposites. Langmuir, 2003, 19, 4523-4526.   | 1.6 | 78        |
| 21 | Preparation and characterization of polyaniline nanoparticles synthesized from DBSA micellar solution. Synthetic Metals, 2002, 126, 53-60.                                | 2.1 | 392       |
| 22 | Thermal stability study of conductive polyaniline/polyimide blend films on their conductivity and ESR measurement. Polymers for Advanced Technologies, 2002, 13, 320-328. | 1.6 | 16        |
| 23 | Physical properties and thermal transition of polyaniline film. Synthetic Metals, 2001, 124, 337-343.   | 2.1 | 64        |
| 24 | Morphological study of conductive polyaniline/polyimide blends. I. Determination of compatibility by small-angle X-ray scattering method. Polymer, 2001, 42, 7449-7454.   | 1.8 | 19        |
| 25 | Dielectric spectroscopy of conductive polyaniline salt films. Journal of Applied Polymer Science, 2001, 82, 2760-2769.  | 1.3 | 49        |
| 26 | X-ray photoelectron spectroscopy study of electrically conducting polyaniline/polyimide blends. Polymer, 2000, 41, 3253-3262.   | 1.8 | 106       |
| 27 | Electrical and structural analysis of conductive polyaniline/polyimide blends. Journal of Applied Polymer Science, 1999, 71, 2169-2178.                                   | 1.3 | 36        |
| 28 | Processable conductive blends of polyaniline/polyimide. Journal of Applied Polymer Science, 1998, 67, 1863-1870.  | 1.3 | 33        |
| 29 | InP-Based Quantum Dot Light-Emitting Diode with a Blended Emissive Layer. ACS Energy Letters, 0, , 1577-1585.   | 8.8 | 50        |