# Young-soon Kim

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 86 papers | 3,678 citations | 134610 34 h-index | 150775 59 g-index |
| 90 all docs | 90 docs citations | 90 times ranked | 5578 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Highly Efficient and Sustainable ZnO/CuO/g-C3N4 Photocatalyst for Wastewater Treatment under Visible Light through Heterojunction Development. Catalysts, 2022, 12, 151. | 1.6 | 13 |
| 2 | Boosting the Visible Light Photocatalytic Activity of ZnO through the Incorporation of N-Doped for Wastewater Treatment. Coatings, 2022, 12, 579. | 1.2 | 7 |
| 3 | Characterization of amorphous yttria layers deposited by aqueous solutions of Y-chelate alkoxides complex. Physica C: Superconductivity and Its Applications, 2015, 508, 42-48. | 0.6 | 2 |
| 4 | Zirconium Doped Yttria as a Buffer Layer for GdBCO Superconductors Deposited by Chemical Solution Deposition. Science of Advanced Materials, 2015, 7, 1258-1264. | 0.1 | 2 |
| 5 | Development and Characterization of High Temperature Superconducting Wire for Superconducting Cable System. KEPCO Journal on Electric Power and Energy, 2015, 1, 151-156. | 0.1 | 0 |
| 6 | Vision Inspection Methods for Uniformity Enhancement in Long-Length 2G HTS Wire Production. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5. | 1.1 | 6 |
| 7 | ZnO Nanoparticles Induce Oxidative Stress in Cloudman S91 Melanoma Cancer Cells. Journal of Biomedical Nanotechnology, 2013, 9, 441-449. | 0.5 | 86 |
| 8 | Platinum Quantum Dots and Their Cytotoxic Effect Towards Myoblast Cancer Cells (C<SUB>2</SUB>C<SUB>12</SUB>). Journal of Biomedical Nanotechnology, 2012, 8, 424-431. | 0.5 | 26 |
| 9 | Controlled synthesis and photoelectrochemical properties of highly ordered TiO2 nanorods. RSC Advances, 2012, 2, 4807. | 1.7 | 19 |
| 10 | Synthesis and electrochemical impedance properties of CdS nanoparticles decorated polyaniline nanorods. Chemical Engineering Journal, 2012, 181-182, 806-812. | 6.6 | 49 |
| 11 | Influence of Sn doping on ZnO nanostructures from nanoparticles to spindle shape and their photoelectrochemical properties for dye sensitized solar cells. Chemical Engineering Journal, 2012, 187, 351-356. | 6.6 | 176 |
| 12 | Fabrication, growth mechanism and antibacterial activity of ZnO micro-spheres prepared via solution process. Biomass and Bioenergy, 2012, 39, 227-236. | 2.9 | 62 |
| 13 | Iodine doped polyaniline thin film for heterostructure devices via PECVD technique: Morphological, structural, and electrical properties. Macromolecular Research, 2012, 20, 30-36. | 1.0 | 28 |
| 14 | Plasma Deposited SnO2 Nanostructures on C-Paper as an Anode for Electrocatalytic Oxidation of Methanol. Advanced Science Letters, 2012, 10, 55-58. | 0.2 | 0 |
| 15 | Synthesis and Characterization of High-Purity Silica Nanosphere from Rice Husk. Journal of Nanoscience and Nanotechnology, 2011, 11, 5934-5938. | 0.9 | 8 |
| 16 | Urea Sensing Characteristics of Titanate Nanotubes Deposited by Electrophoretic Deposition Method. Journal of Nanoscience and Nanotechnology, 2011, 11, 3323-3329. | 0.9 | 4 |
| 17 | Non-hydrolytic synthesis and photo-catalytic studies of ZnO nanoparticles. Chemical Engineering Journal, 2011, 175, 450-457. | 6.6 | 77 |
| 18 | An effective nanocomposite of polyaniline and ZnO: preparation, characterizations, and its photocatalytic activity. Colloid and Polymer Science, 2011, 289, 415-421. | 1.0 | 118 |

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|---|---|---|---|
| 19 | Fabrication and growth mechanism of ZnO nanostructures and their cytotoxic effect on human brain tumor U87, cervical cancer HeLa, and normal HEK cells. Journal of Biological Inorganic Chemistry, 2011, 16, 431-442. | 1.1 | 99 |
| 20 | Polyaniline/gallium doped ZnO heterostructure device via plasma enhanced polymerization technique: Preparation, characterization and electrical properties. Mikrochimica Acta, 2011, 172, 471-478. | 2.5 | 33 |
| 21 | Microbial synthesis of gold nanoparticles using the fungus Penicillium brevicompactum and their cytotoxic effects against mouse mayo blast cancer C2C12 cells. Applied Microbiology and Biotechnology, 2011, 92, 617-630. | 1.7 | 180 |
| 22 | Photocatalytic activity of zinc oxide micro-flowers synthesized via solution method. Chemical Engineering Journal, 2011, 168, 359-366. | 6.6 | 79 |
| 23 | Fabrication, characterization and growth mechanism of heterostructured zinc oxide nanostructures via solution method. Current Applied Physics, 2011, 11, 334-340. | 1.1 | 50 |
| 24 | Influence of seed layer treatment on low temperature grown ZnO nanotubes: Performances in dye sensitized solar cells. Electrochimica Acta, 2011, 56, 1111-1116. | 2.6 | 40 |
| 25 | Nanocomposites of poly(1-naphthylamine)/SiO2 and poly(1-naphthylamine)/TiO2: Comparative photocatalytic activity evaluation towards methylene blue dye. Applied Catalysis B: Environmental, 2011, 103, 136-142. | 10.8 | 77 |
| 26 | Synthesis and Characterization of Polyaniline/MCM-41 Nanocomposites and Their Photocatalytic Activity. Journal of Nanoscience and Nanotechnology, 2011, 11, 541-545. | 0.9 | 7 |
| 27 | Electrical and Structural Characterization of Plasma Polymerized Polyaniline/TiO<SUB>2</SUB> Heterostructure Diode: A Comparative Study of Single and Bilayer TiO<SUB>2</SUB> Thin Film Electrode. Journal of Nanoscience and Nanotechnology, 2011, 11, 3306-3313. | 0.9 | 11 |
| 28 | Diode Behavior of Electrophoretically Deposited Polyaniline on TiO2 Nanoparticulate Thin Film Electrode. Journal of Nanoscience and Nanotechnology, 2011, 11, 1559-1564. | 0.9 | 13 |
| 29 | Characterization of Ruthenium Thin Film on Tantalum by Electrochemical Deposition: Rutherford Backscattering Spectroscopy. Science of Advanced Materials, 2011, 3, 932-938. | 0.1 | 2 |
| 30 | Preparation of Ce0.8Sm0.2OSElectrolyte Thin Film for Solid Oxide Fuel Cells by Electrophoretic Deposition. Korean Chemical Engineering Research, 2011, 49, 781-785. | 0.2 | 1 |
| 31 | Antibacterial activity of ZnO nanoparticles prepared via non-hydrolytic solution route. Applied Microbiology and Biotechnology, 2010, 87, 1917-1925. | 1.7 | 182 |
| 32 | Synthesis and characterization of novel poly(1-naphthylamine)/zinc oxide nanocomposites: Application in catalytic degradation of methylene blue dye. Colloid and Polymer Science, 2010, 288, 1633-1638. | 1.0 | 51 |
| 33 | Effect of refluxing time on the morphology of pencil like zinc oxide nanostructures prepared by solution method. Metals and Materials International, 2010, 16, 767-772. | 1.8 | 14 |
| 34 | Formation of ZnO Micro-Flowers Prepared via Solution Process and their Antibacterial Activity. Nanoscale Research Letters, 2010, 5, 1675-1681. | 3.1 | 124 |
| 35 | Fabrication and growth mechanism of hexagonal zinc oxide nanorods via solution process. Journal of Materials Science, 2010, 45, 2967-2973. | 1.7 | 57 |
| 36 | Sulfamic Acid-Doped Polyaniline Nanofibers Thin Film-Based Counter Electrode: Application in Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2010, 114, 4760-4764. | 1.5 | 129 |

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|---|---|---|---|
| 37 | A simple method to deposit palladium doped SnO2 thin films using plasma enhanced chemical vapor deposition technique. Review of Scientific Instruments, 2010, 81, 113903. | 0.6 | 8 |
| 38 | Controlled Synthesis of Zinc Oxide Nanoneedles and Their Transformation to Microflowers. Science of Advanced Materials, 2010, 2, 35-42. | 0.1 | 25 |
| 39 | A novel method for preparing stoichiometric SnO2 thin films at low temperature. Review of Scientific Instruments, 2009, 80, 045112. | 0.6 | 23 |
| 40 | Low temperature synthesis and characterization of rosette-like nanostructures of ZnO using solution process. Solid State Sciences, 2009, 11, 439-443. | 1.5 | 54 |
| 41 | The role of pH variation on the growth of zinc oxide nanostructures. Applied Surface Science, 2009, 255, 4891-4896. | 3.1 | 187 |
| 42 | Effect of annealing on the conversion of ZnS to ZnO nanoparticles synthesized by the sol-gel method using zinc acetate and thiourea. Metals and Materials International, 2009, 15, 453-458. | 1.8 | 33 |
| 43 | Effect of nanostructure on the urea sensing properties of solâ€“gel synthesized ZnO. Sensors and Actuators B: Chemical, 2009, 137, 566-573. | 4.0 | 92 |
| 44 | Fabrication of polyaniline/ heterojunction structure using plasma enhanced polymerization technique. Superlattices and Microstructures, 2009, 46, 745-751. | 1.4 | 19 |
| 45 | Immobilization of DNA on nano-hydroxyapatite and their interaction with carbon nanotubes. Synthetic Metals, 2009, 159, 238-245. | 2.1 | 28 |
| 46 | A non-aqueous synthesis, characterization of zinc oxide nanoparticles and their interaction with DNA. Synthetic Metals, 2009, 159, 2443-2452. | 2.1 | 66 |
| 47 | Plasma-enhanced polymerized aniline/TiO2 dye-sensitized solar cells. Journal of Alloys and Compounds, 2009, 487, 382-386. | 2.8 | 41 |
| 48 | Synthesis, Characterization and Effect of pH Variation on Zinc Oxide Nanostructures. Materials Transactions, 2009, 50, 2092-2097. | 0.4 | 107 |
| 49 | Thick film urea sensor based on nanostructured zinc oxide. International Journal of Nanomanufacturing, 2009, 4, 290. | 0.3 | 3 |
| 50 | Effect of RF Plasma Power and Deposition Temperature on the Surface Properties of Tin Oxide Deposited by Modified Plasma Enhanced Chemical Vapor Deposition. Science of Advanced Materials, 2009, 1, 254-261. | 0.1 | 8 |
| 51 | Effect of hydroxylamine hydrochloride on the floral decoration of zinc oxide synthesized by solution method. Applied Surface Science, 2008, 254, 2037-2042. | 3.1 | 32 |
| 52 | Influence of the silicon surface treatment by plasma etching and scratching on the nucleation of diamond grown in HFCVD - a comparative study. Korean Journal of Chemical Engineering, 2008, 25, 593-598. | 1.2 | 2 |
| 53 | Urea sensor based on tin oxide thin films prepared by modified plasma enhanced CVD. Sensors and Actuators B: Chemical, 2008, 132, 265-271. | 4.0 | 54 |
| 54 | Glucose sensor based on nano-baskets of tin oxide templated in porous alumina by plasma enhanced CVD. Biosensors and Bioelectronics, 2008, 23, 1838-1842. | 5.3 | 77 |

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| 55 | A study on the structure/phase transformation of titanate nanotubes synthesized at various hydrothermal temperatures. Solar Energy Materials and Solar Cells, 2008, 92, 1533-1539. | 3.0 | 76 |
| 56 | Synthesis and characterization of hydrozincite and its conversion into zinc oxide nanoparticles. Journal of Alloys and Compounds, 2008, 461, 66-71. | 2.8 | 113 |
| 57 | Low temperature deposition and effect of plasma power on tin oxide thin films prepared by modified plasma enhanced chemical vapor deposition. Journal of Applied Physics, 2007, 102, 073537. | 1.1 | 10 |
| 58 | Effect of annealing temperature on structural and bonded states of titanate nanotube films. Journal of Applied Physics, 2007, 101, 024314. | 1.1 | 38 |
| 59 | Effect of growth temperature on the morphology and bonded states of SnO2 nanobaskets. Applied Surface Science, 2007, 253, 4668-4672. | 3.1 | 21 |
| 60 | Hydrothermal growth of ZnO on annealed electrodeposited titanate film: Influence of zinc nitrate and methenamine. Applied Surface Science, 2007, 253, 7197-7202. | 3.1 | 13 |
| 61 | Room temperature synthesis of needle-shaped ZnO nanorods via sonochemical method. Applied Surface Science, 2007, 253, 7622-7626. | 3.1 | 189 |
| 62 | Immobilization of avidin on the functionalized carbon nanotubes. Synthetic Metals, 2006, 156, 938-943. | 2.1 | 38 |
| 63 | Plasma enhanced chemical vapor deposition of palladium in anodic aluminum oxide template. Current Applied Physics, 2006, 6, e58-e61. | 1.1 | 8 |
| 64 | Sodium removal from titanate nanotubes in electrodeposition process. Electrochemistry Communications, 2006, 8, 471-474. | 2.3 | 17 |
| 65 | Electrophoretic deposition of titanate nanotubes from commercial titania nanoparticles: Application to dye-sensitized solar cells. Electrochemistry Communications, 2006, 8, 961-966. | 2.3 | 113 |
| 66 | Electroless copper on refractory and noble metal substrates with an ultra-thin plasma-assisted atomic layer deposited palladium layer. Electrochimica Acta, 2006, 51, 2400-2406. | 2.6 | 15 |
| 67 | Electrochemical deposition of copper and ruthenium on titanium. Electrochimica Acta, 2006, 51, 5445-5451. | 2.6 | 19 |
| 68 | Surface characterization of copper electroless deposition on atomic layer deposited palladium on iridium and tungsten. Surface and Coatings Technology, 2006, 200, 5760-5766. | 2.2 | 20 |
| 69 | Effect of MgO interlayer on diamond film growth on silicon (100). Thin Solid Films, 2006, 497, 103-108. | 0.8 | 4 |
| 70 | Synthesis of titanate nanotubes and its processing by different methods. Electrochimica Acta, 2006, 52, 1781-1787. | 2.6 | 22 |
| 71 | Hydrothermal synthesis of titanate nanotubes followed by electrodeposition process. Korean Journal of Chemical Engineering, 2006, 23, 1037-1045. | 1.2 | 16 |
| 72 | Magnesium interlayered diamond coating on silicon. International Journal of Refractory Metals and Hard Materials, 2006, 24, 418-426. | 1.7 | 5 |

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| 73 | Electrochemically Deposited Ruthenium Seed Layer Followed by Copper Electrochemical Plating. Electrochemical and Solid-State Letters, 2006, 9, C19. | 2.2 | 16 |
| 74 | Comparative study of diamond films grown on silicon substrate using microwave plasma chemical vapor deposition and hot-filament chemical vapor deposition technique. Korean Journal of Chemical Engineering, 2005, 22, 770-773. | 1.2 | 3 |
| 75 | Direct Copper Electroless Deposition on a Tungsten Barrier Layer for Ultralarge Scale Integration. Journal of the Electrochemical Society, 2005, 152, C89. | 1.3 | 27 |
| 76 | Atomic Layer Deposition of Pd on TaN for Cu Electroless Plating. Journal of the Electrochemical Society, 2005, 152, C376. | 1.3 | 17 |
| 77 | Effect of tungsten/filament on the growth of carbon nanotubes in hot filament chemical vapor deposition system. Journal of Materials Science, 2004, 39, 5771-5777. | 1.7 | 5 |
| 78 | Effect of deposition temperature on the growth of Y1Ba2Cu3O7â˜'x thin film by aerosol assisted chemical vapor deposition using liquid solution sources. Korean Journal of Chemical Engineering, 2003, 20, 772-775. | 1.2 | 2 |
| 79 | Preparation and characterization of magnesium diboride superconductor by melting process. Korean Journal of Chemical Engineering, 2003, 20, 1183-1187. | 1.2 | 1 |
| 80 | Influence of O2 admixture and sputtering pressure on the properties of ITO thin films deposited on PET substrate using RF reactive magnetron sputtering. Surface and Coatings Technology, 2003, 173, 299-308. | 2.2 | 67 |
| 81 | Effect of substrate temperature on the bonded states of indium tin oxide thin films deposited by plasma enhanced chemical vapor deposition. Thin Solid Films, 2003, 426, 124-131. | 0.8 | 44 |
| 82 | ITO thin films deposited at different oxygen flow rates on Si(100) using the PEMOCVD method. Surface and Coatings Technology, 2002, 161, 62-69. | 2.2 | 47 |
| 83 | Preparation of Y1â˜'x Yb x Ba2Cu3O7â˜'y superconducting films by chemical vapor deposition. Korean Journal of Chemical Engineering, 2000, 17, 473-476. | 1.2 | 7 |
| 84 | Characteristics of Y1Ba2Cu3O7-x high-T c superconductor prepared by partial melting process. Korean Journal of Chemical Engineering, 1998, 15, 304-309. | 1.2 | 1 |
| 85 | Corrosion behavior of high-temperature superconductor YBa2Cu3-yAgyO7-x in the presence of water. Korean Journal of Chemical Engineering, 1995, 12, 563-566. | 1.2 | 2 |
| 86 | Synthesis of Magnesium Oxide Nanoparticles by Sol-Gel Process. Materials Science Forum, 0, , 983-986. | 0.3 | 2 |