# Yoshiteru Mizukoshi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|---|---|---|---|
| 72 papers | 2,669 citations | 27 h-index | 51 g-index |
| 75 ext. papers | 2,793 ext. citations | 5.4 avg, IF | 4.5 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 72 | Preparation of Noble Metal/Graphene Nanocomposites Using Various Excited Reaction Sites in an Aqueous System **2019**, 201-223 | | |
| 71 | Aqueous-Phase Plasma Method for Selective Decomposition of Ammonia Generated as a Byproduct in a Hydrazine Hydrate Fuel Cell System. *Kagaku Kogaku Ronbunshu*, **2019**, 45, 86-90 | 0.4 | |
| 70 | Synthesis of oxygen-deficient blue titanium oxide by discharge plasma generated in aqueous ammonia solution. *Applied Surface Science*, **2019**, 489, 255-261 | 6.7 | 2 |
| 69 | Effects of alcohol addition on decay of sonoluminescence intensity. *Acoustical Science and Technology*, **2019**, 40, 49-51 | 0.5 | 2 |
| 68 | Deactivation of Algae by Plasma Generated in Seawater Flow. *Chemistry Letters*, **2018**, 47, 116-118 | 1.7 | 3 |
| 67 | Comparison of reductive nanoparticle preparation using plasma and ultrasound irradiation in aqueous solution. *Japanese Journal of Applied Physics*, **2018**, 57, 0102A5 | 1.4 | 5 |
| 66 | Plasma generation in aqueous solution containing volatile solutes. *Japanese Journal of Applied Physics*, **2018**, 57, 0102B7 | 1.4 | 5 |
| 65 | One-pot preparation of Pd nanoparticles supported on graphene from Pd electrodes by discharge plasma in graphene suspension and its catalytic activity for hydrogenation of nitrobenzene. *Materials Letters*, **2017**, 199, 24-27 | 3.3 | 6 |
| 64 | Atomic and nanoscale imaging of a cellulose nanofiber and Pd nanoparticles composite using lower-voltage high-resolution TEM. *Journal of Electron Microscopy*, **2017**, 66, 348-355 | | 1 |
| 63 | One-step synthesis of graphene-Pt nanocomposites by gamma-ray irradiation. *Radiation Physics and Chemistry*, **2016**, 123, 68-72 | 2.5 | 8 |
| 62 | Photo-induced properties of anodic oxide on Ti–Pd alloy prepared in acetic acid electrolyte. *Journal of Alloys and Compounds*, **2016**, 669, 91-100 | 5.7 | 4 |
| 61 | Catalytic Applications of Noble Metal Nanoparticles Produced by Sonochemical Reduction of Noble Metal Ions **2016**, 325-363 | | 3 |
| 60 | Catalytic activities of sonochemically prepared Au-core/Pd-shell-structured bimetallic nanoparticles immobilised on TiO2 and its dependence on Pd-shell thickness. *Journal of Experimental Nanoscience* , **2015**, 10, 235-247 | 1.9 | 3 |
| 59 | Local structure of vanadium in Ti-6Al-4V alloy anodized in acetic acid aqueous solution and its contribution to visible light response in photocatalysis. *Applied Catalysis B: Environmental*, **2015**, 162, 180-186 | 21.8 | 4 |
| 58 | Nitrogen Fixation in an Aqueous Solution by a Novel Flow Plasma System. *Chemistry Letters*, **2015**, 44, 495-496 | 1.7 | 14 |
| 57 | Fabrication of Antibacterial Photocatalytic Titanium Foil by Anodic Oxidation. *Chemistry Letters*, **2015**, 44, 277-278 | 1.7 | 5 |
| 56 | Supporting of pristine TiO2 with noble metals to enhance the oxidation and mineralization of paracetamol by sonolysis and sonophotolysis. *Applied Catalysis B: Environmental*, **2015**, 172-173, 7-17 | 21.8 | 56 |

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| 55 | Catalytic Applications of Noble Metal Nanoparticles Produced by Sonochemical Reduction of Noble Metal Ions **2015**, 1-39 | | |
| 54 | Fabrication of a TiO2 photocatalyst by anodic oxidation of Ti in an acetic acid electrolyte. *Surface and Coatings Technology*, **2014**, 240, 226-232 | 4.4 | 11 |
| 53 | Formation Mechanism of Noble Metal Nanoparticles in Aqueous Solution by Solution Plasma. *Science of Advanced Materials*, **2014**, 6, 1569-1572 | 2.3 | 5 |
| 52 | Structural and characteristic variation of anodic oxide on pure Ti with anodization duration. *Applied Surface Science*, **2013**, 283, 1018-1023 | 6.7 | 14 |
| 51 | Fabrication of visible-light-responsive titanium dioxide layer on titanium using anodic oxidization in nitric acid. *Applied Surface Science*, **2013**, 270, 513-518 | 6.7 | 14 |
| 50 | Effect of CeO2 support properties on structure of PtCu nanoparticles synthesized by electron beam irradiation method for preferential CO oxidation. *Chemical Engineering Journal*, **2013**, 223, 347-355 | 14.7 | 13 |
| 49 | Fabrication of Photocatalyst by Anodization of Titanium Alloy. *Journal of Smart Processing*, **2013**, 2, 320-325 | 0.5 | |
| 48 | Photo-induced properties of anodic oxide films on Ti6Al4V. *Thin Solid Films*, **2012**, 520, 4956-4964 | 2.2 | 26 |
| 47 | Visible Light Responsive TiO2 Photocatalyst Prepared by Anodization of Ti6Al4V Alloy. *Chemistry Letters*, **2012**, 41, 544-545 | 1.7 | 2 |
| 46 | Angle resolved XPS studies on an anodic oxide formed on TiNb5n alloy and the photo-induced change in carbon contaminants adsorbed on its surface. *Applied Surface Science*, **2012**, 258, 6052-6055 | 6.7 | 13 |
| 45 | Effect of support for PtCu bimetallic catalysts synthesized by electron beam irradiation method on preferential CO oxidation. *Applied Catalysis B: Environmental*, **2012**, 126, 306-314 | 21.8 | 27 |
| 44 | Visible light response of nitrogen and sulfur co-doped TiO2 photocatalysts fabricated by anodic oxidation. *Catalysis Today*, **2011**, 164, 399-403 | 5.3 | 23 |
| 43 | Photocatalytic Activities and Crystal Structures of Titanium Dioxide by Anodization: Their Dependence upon Current Density. *Materials Transactions*, **2010**, 51, 1443-1448 | 1.3 | 11 |
| 42 | Fabrication of Titanium Dioxide Photocatalysts by Anodic Oxidation. *Materia Japan*, **2010**, 49, 55-61 | 0.1 | |
| 41 | Photo-induced characteristics of a TiNb5n biometallic alloy with low Young's modulus. *Thin Solid Films*, **2010**, 519, 276-283 | 2.2 | 19 |
| 40 | Dielectric properties of anodic oxide film on Nb solid solution/Nb2N two phase alloys. *Thin Solid Films*, **2010**, 519, 719-724 | 2.2 | 1 |
| 39 | Dependence of photocatalytic activities upon the structures of Au/Pd bimetallic nanoparticles immobilized on TiO2 surface. *Applied Catalysis B: Environmental*, **2010**, 94, 248-253 | 21.8 | 96 |
| 38 | Preparation of Hydrogen Permeable Membrane Using Nanoparticles Electrophoresis Technique. *Topics in Catalysis*, **2009**, 52, 860-864 | 2.3 | 3 |

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| 37 | Preparation of superparamagnetic magnetite nanoparticles by reverse precipitation method: contribution of sonochemically generated oxidants. *Ultrasonics Sonochemistry*, **2009**, 16, 525-31 | 8.9 | 51 |
| 36 | Visible light responses of sulfur-doped rutile titanium dioxide photocatalysts fabricated by anodic oxidation. *Applied Catalysis B: Environmental*, **2009**, 91, 152-156 | 21.8 | 70 |
| 35 | Enhanced photocatalytic activity of rutile TiO2 prepared by anodic oxidation in a high concentration sulfuric acid electrolyte. *Applied Catalysis B: Environmental*, **2009**, 90, 255-261 | 21.8 | 75 |
| 34 | Hydrocarbon decomposition on a hydrophilic TiO2 surface by UV irradiation: spectral and quantitative analysis using in-situ XPS technique. *Langmuir*, **2009**, 25, 11586-91 | 4 | 77 |
| 33 | Effects of Ultrasonic Irradiation on Preparation of Titanium Dioxide Photocatalyst by Anodic Oxidation Method. *Materials Transactions*, **2009**, 50, 2182-2186 | 1.3 | 3 |
| 32 | Magnetically Retrievable Palladium/Maghemite Nanocomposite Catalysts Prepared by Sonochemical Reduction Method. *Chemistry Letters*, **2008**, 37, 922-923 | 1.7 | 12 |
| 31 | Superhydrophilicity of Rutile TiO2Prepared by Anodic Oxidation in High Concentration Sulfuric Acid Electrolyte. *Chemistry Letters*, **2008**, 37, 1126-1127 | 1.7 | 13 |
| 30 | Sonochemical immobilization of noble metal nanoparticles on the surface of maghemite: mechanism and morphological control of the products. *Ultrasonics Sonochemistry*, **2008**, 15, 875-80 | 8.9 | 24 |
| 29 | Immobilization of noble metal nanoparticles on the surface of TiO2 by the sonochemical method: photocatalytic production of hydrogen from an aqueous solution of ethanol. *Ultrasonics Sonochemistry*, **2007**, 14, 387-92 | 8.9 | 128 |
| 28 | Functionalization of magnetic gold/iron-oxide composite nanoparticles with oligonucleotides and magnetic separation of specific target. *Journal of Magnetism and Magnetic Materials*, **2007**, 311, 255-258 | 2.8 | 35 |
| 27 | Sonochemical synthesis of gold nanoparticles on chitosan. *Materials Letters*, **2007**, 61, 3429-3431 | 3.3 | 75 |
| 26 | Selective magnetic separation of sulfur-containing amino acids by sonochemically prepared Au/Fe2O3 composite nanoparticles. *Scripta Materialia*, **2006**, 54, 609-613 | 5.6 | 16 |
| 25 | SONOCHEMICAL PREPARATION OF GOLD/IRON OXIDE COMPOSITE MAGNETIC NANOPARTICLES AND SELECTIVE MAGNETIC SEPARATION OF BIOMOLECULES. *International Journal of Nanoscience*, **2006**, 05, 359-363 | 0.6 | 0 |
| 24 | Synthesis of gold/magnetic iron oxide composite nanoparticles for biomedical applications with good dispersibility. *Journal of Applied Physics*, **2006**, 99, 08H101 | 2.5 | 23 |
| 23 | Sonochemically synthesized core-shell structured AuPd nanoparticles supported on Fe2O3 particles. *Journal of Nanoparticle Research*, **2006**, 8, 951-958 | 2.3 | 19 |
| 22 | Sonochemical preparation of composite nanoparticles of Au/gamma-Fe2O3 and magnetic separation of glutathione. *Ultrasonics Sonochemistry*, **2005**, 12, 191-5 | 8.9 | 32 |
| 21 | Structural analysis of sonochemically prepared Au/Pd nanoparticles dispersed in porous silica matrix. *Ultrasonics Sonochemistry*, **2005**, 12, 249-54 | 8.9 | 37 |
| 20 | Magnetic separation of amino acids by gold/iron-oxide composite nanoparticles synthesized by gamma-ray irradiation. *Journal of Magnetism and Magnetic Materials*, **2005**, 293, 106-110 | 2.8 | 48 |

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| 19 | Gamma-ray synthesis of magnetic nanocarrier composed of gold and magnetic iron oxide. *Journal of Magnetism and Magnetic Materials*, **2005**, 293, 144-150 | 2.8 | 28 |
| 18 | DNA Separation Using Gold/Magnetic Iron-oxide Composite Nanoparticles. *Materials Research Society Symposia Proceedings*, **2005**, 877, 1 | | 1 |
| 17 | -ray synthesis of composite nanoparticles of noble metals and magnetic iron oxides. *Scripta Materialia*, **2004**, 51, 467-472 | 5.6 | 49 |
| 16 | Preparation of nanoparticles by reducing intermediate radicals formed in sonolytical pyrolysis of surfactants. *Research on Chemical Intermediates*, **2004**, 30, 775-783 | 2.8 | 6 |
| 15 | Acoustic Cavitation in Water under Rare Gas Atmosphere. *Chemistry Letters*, **2001**, 30, 142-143 | 1.7 | 14 |
| 14 | Preparation of platinum nanoparticles by sonochemical reduction of the Pt(IV) ions: role of surfactants. *Ultrasonics Sonochemistry*, **2001**, 8, 1-6 | 8.9 | 101 |
| 13 | Sonolytical preparation of various types of metal nanoparticles in aqueous solution. *Scripta Materialia*, **2001**, 44, 2183-2186 | 5.6 | 50 |
| 12 | Sonolytic degradation of hazardous organic compounds in aqueous solution. *Ultrasonics Sonochemistry*, **2000**, 7, 261-4 | 8.9 | 59 |
| 11 | Sonochemical degradation of chlorophenols in water. *Ultrasonics Sonochemistry*, **2000**, 7, 115-20 | 8.9 | 148 |
| 10 | Characterization and Catalytic Activity of Core-Shell Structured Gold/Palladium Bimetallic Nanoparticles Synthesized by the Sonochemical Method. *Journal of Physical Chemistry B*, **2000**, 104, 6028-6032 | 3.4 | 294 |
| 9 | Sonolysis of organic liquid: effect of vapour pressure and evaporation rate. *Ultrasonics Sonochemistry*, **1999**, 6, 203-209 | 8.9 | 54 |
| 8 | Electron microscopy of noble metal alloy nanoparticles prepared by sonochemical methods. *Scripta Materialia*, **1999**, 12, 111-114 | | 12 |
| 7 | Preparation of Platinum Nanoparticles by Sonochemical Reduction of the Pt(II) Ion. *Langmuir*, **1999**, 15, 2733-2737 | 4 | 104 |
| 6 | Sonochemical Preparation of Size-Controlled Palladium Nanoparticles on Alumina Surface. *Chemistry Letters*, **1999**, 28, 271-272 | 1.7 | 28 |
| 5 | Synthesis of Palladium Nanoparticles with Interstitial Carbon by Sonochemical Reduction of Tetrachloropalladate(II) in Aqueous Solution. *Journal of Physical Chemistry B*, **1997**, 101, 5470-5472 | 3.4 | 61 |
| 4 | Sonochemical Preparation of Bimetallic Nanoparticles of Gold/Palladium in Aqueous Solution. *Journal of Physical Chemistry B*, **1997**, 101, 7033-7037 | 3.4 | 269 |
| 3 | Sonochemical Formation of Gold Particles in Aqueous Solution. *Radiation Research*, **1996**, 146, 333 | 3.1 | 110 |
| 2 | Improved colorimetric determination of noble metal ions in multitudinous solution using sodium bromide or sodium iodide.. *Bunseki Kagaku*, **1996**, 45, 327-331 | 0.2 | 10 |

1 Formation of noble metal particles by ultrasonic irradiation. *Ultrasonics Sonochemistry*, **1996**, 3, S249-S258 19 134