Yuji Ohkubo

List of Publications by Citations

58 papers	466 citations	13 h-index	18 g-index
63 ext. papers	540 ext. citations	3.5 avg, IF	3.38 L-index

#	Paper	IF	Citations
58	CeO2-supported Pt□Cu alloy nanoparticles synthesized by radiolytic process for highly selective CO oxidation. *International Journal of Hydrogen Energy*, **2012**, 37, 4787-4797	6.7	31
57	□Fe2O3-supported Pt-Cu nanoparticles synthesized by radiolytic process for catalytic CO preferential oxidation. *Applied Catalysis A: General*, **2011**, 406, 43-50	5.1	30
56	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
55	Preparation and characterization of super-hydrophobic and oleophobic surface. *Journal of Materials Science*, **2010**, 45, 4963-4969	4.3	26
54	Damage-free highly efficient polishing of single-crystal diamond wafer by plasma-assisted polishing. *CIRP Annals - Manufacturing Technology*, **2018**, 67, 353-356	4.9	21
53	Comparison of structure and catalytic performance of Pt□o and Pt□u bimetallic catalysts supported on Al2O3 and CeO2 synthesized by electron beam irradiation method for preferential CO oxidation. *International Journal of Hydrogen Energy*, **2013**, 38, 4456-4465	6.7	21
52	Drastic Improvement in Adhesion Property of Polytetrafluoroethylene (PTFE) via Heat-Assisted Plasma Treatment Using a Heater. *Scientific Reports*, **2017**, 7, 9476	4.9	20
51	Adhesive-free adhesion between heat-assisted plasma-treated fluoropolymers (PTFE, PFA) and plasma-jet-treated polydimethylsiloxane (PDMS) and its application. *Scientific Reports*, **2018**, 8, 18058	4.9	19
50	Adhesive-free adhesion between polytetrafluoroethylene (PTFE) and isobutylene□soprene rubber (IIR) via heat-assisted plasma treatment. *RSC Advances*, **2017**, 7, 6432-6438	3.7	18
49	Carbon-supported AuPd bimetallic nanoparticles synthesized by high-energy electron beam irradiation for direct formic acid fuel cell. *Journal of Materials Science*, **2013**, 48, 2142-2150	4.3	18
48	CuO role in □Fe2O3-supported Pt□u bimetallic nanoparticles synthesized by radiation-induced reduction as catalysts for preferential CO oxidation. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	14
47	Pt/TiO2 composite nanoparticles synthesized by electron beam irradiation for preferential CO oxidation. *Materials Research Bulletin*, **2013**, 48, 1347-1351	5.1	14
46	Preparation of carbon-supported PtCo nanoparticle catalysts for the oxygen reduction reaction in polymer electrolyte fuel cells by an electron-beam irradiation reduction method. *Journal of Materials Science*, **2013**, 48, 5047-5054	4.3	13
45	X-ray-induced reduction of Au ions in an aqueous solution in the presence of support materials and in situ time-resolved XANES measurements. *Journal of Synchrotron Radiation*, **2014**, 21, 1148-52	2.4	13
44	Effect of CeO2 support properties on structure of Pt□u nanoparticles synthesized by electron beam irradiation method for preferential CO oxidation. *Chemical Engineering Journal*, **2013**, 223, 347-355	14.7	13
43	Structure and Catalytic Performance of Pt□u Bimetallic Catalysts Synthesized by a Radiation-Induced Reduction Method in the Aqueous Phase: Influence of Support Material and Sulfate Ion in the Precursor. *Journal of Physical Chemistry C*, **2013**, 117, 5742-5751	3.8	12
42	Enhanced electrochemical stability of PtRuAu/C catalyst synthesized by radiolytic process. *Journal of Materials Research*, **2012**, 27, 1037-1045	2.5	12

41	Comparison between adhesion properties of adhesive bonding and adhesive-free adhesion for heat-assisted plasma-treated polytetrafluoroethylene (PTFE) **2020**, 96, 776-796		12
40	Optimization of Gas Composition Used in Plasma Chemical Vaporization Machining for Figuring of Reaction-Sintered Silicon Carbide with Low Surface Roughness. *Scientific Reports*, **2018**, 8, 2376	4.9	11
39	Improvement in Adhesion between Polytetrafluoroethylene(PTFE)and Electroless-Plated Copper Film Using Heat-Assisted Plasma Treatment. *Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan*, **2016**, 67, 551-556	0.1	9
38	Effect of decrease in the size of Pt nanoparticles using sodium phosphinate on electrochemically active surface area. *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	9
37	Radiolytic synthesis of carbon-supported PtRu nanoparticles using high-energy electron beam: effect of pH control on the PtRu mixing state and the methanol oxidation activity. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	9
36	Application of a chemically adsorbed fluorocarbon film to improve demolding. *Precision Engineering* , **2009**, 33, 229-234	2.9	8
35	Effect of rubber compounding agent on adhesion strength between rubber and heat-assisted plasma-treated polytetrafluoroethylene (PTFE) **2019**, 95, 242-257		8
34	Mass production of highly loaded and highly dispersed PtRu/C catalysts for methanol oxidation using an electron-beam irradiation reduction method. *Journal of Experimental Nanoscience*, **2016**, 11, 123-137	1.9	7
33	Radiochemical synthesis of a carbon-supported Pt□SnO2 bicomponent nanostructure exhibiting enhanced catalysis of ethanol oxidation. *Radiation Physics and Chemistry*, **2015**, 108, 1-6	2.5	6
32	Development of a Water- and Oil-repellent Treatment for Silk and Cotton Fabrics with Fluoroalkyl-trimethoxysilane. *Journal of Textile Engineering*, **2009**, 55, 13-21	0.3	6
31	Radiation induced synthesis of PtCu/C nanoparticles using high-energy electron beam. *Materials Letters*, **2012**, 82, 33-35	3.3	5
30	Radiation induced synthesis of Au□d nanoparticles of random alloy structure supported on carbon particles using the high energy electron beam. *Materials Letters*, **2011**, 65, 2165-2167	3.3	5
29	Study on Super-Hydrophobic and Oleophobic Surfaces Prepared by Chemical Adsorption Technique. *Japanese Journal of Applied Physics*, **2009**, 48, 040205	1.4	5
28	Influence of air contamination during heat-assisted plasma treatment on adhesion properties of polytetrafluoroethylene (PTFE).. *RSC Advances*, **2019**, 9, 22900-22906	3.7	4
27	Active Metal□Oxide Interfaces in Supported Pt□u/CeO2 and Mechanically Mixed Pt□u+CeO2 Catalysts Synthesized by an Electron Beam Irradiation Method for Selective CO Oxidation. *Catalysis Letters*, **2013**, 143, 1182-1187	2.8	4
26	Physical performance of the metal surface covered with the highly durable and chemically adsorbed fluorocarbon film. *Precision Engineering*, **2010**, 34, 440-445	2.9	4
25	Strong Biomimetic Immobilization of Pt-Particle Catalyst on ABS Substrate Using Polydopamine and Its Application for Contact-Lens Cleaning with HO. *Nanomaterials*, **2020**, 10,	5.4	4
24	Radiolytic Synthesis of Pt-Particle/ABS Catalysts for H□□Decomposition in Contact Lens Cleaning. *Nanomaterials*, **2017**, 7,	5.4	3

23	Cross-sectional observation of a weak boundary layer in polytetrafluoroethylene (PTFE) using scanning electron microscope. *Polymer Journal*,	2.7	3
22	Improved Catalytic Durability of Pt-Particle/ABS for H□□Decomposition in Contact Lens Cleaning. *Nanomaterials*, **2019**, 9,	5.4	2
21	Open-air-type Ar + H2O plasma treatment of polytetrafluoroethylene for improving Ag/PTFE adhesion strength: application to highly adhesive Ag direct wiring patterns. *Japanese Journal of Applied Physics*, **2020**, 59, 077004	1.4	2
20	Application of Chemically Adsorbed Fluorocarbon Film with Highly Durability as a Mold Release Agent. *Seikei-Kakou*, **2010**, 22, 104-114	0	2
19	Experimental Study on the Application as the Mold Release Agent of a Chemically Adsorbed Fluorocarbon Film. *Seikei-Kakou*, **2009**, 21, 38-43	0	2
18	Effect of counterpart metals in carbon-supported Pt-based catalysts prepared using radiation chemical method. *Radiation Physics and Chemistry*, **2017**, 133, 67-71	2.5	1
17	Effect of metal ion location in reaction medium on formation process and structure of PtCu□uO nanoparticles supported on carbon and □Fe2O3. *Journal of Nuclear Science and Technology*, **2017**, 54, 472-480	1	1
16	Structure of bicomponent metal□xide composites synthesized by electron beam irradiation method. *Journal of Alloys and Compounds*, **2013**, 577, 125-130	5.7	1
15	Structure control of Pt-SnO2 catalyst for DEFC synthesized by electron beam irradiation method. *Materials Research Society Symposia Proceedings*, **2014**, 1641, 1		1
14	Improvement of methanol oxidation catalytic activities of radiochemically synthesized PtRu/C nanoparticles by post annealing process. *Materials Research Society Symposia Proceedings*, **2014**, 1641, 1		1
13	Technique for Immobilizing Copper Ions on a Substrate through a Nanoscale Thin Film Containing Pyrrole Groups. *Journal of Chemical Engineering of Japan*, **2010**, 43, 406-412	0.8	1
12	Immobilization of Polypyrrole Thin Film and Copper Ions through a Chemically Adsorbed Monolayer Containing Pyrrolyl Group. *Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan*, **2009**, 60, 805-810	0.1	1
11	Magnetic particles stabilized by chemically adsorbed monolayers for use in functional fluids. *Thin Solid Films*, **2009**, 517, 4360-4364	2.2	1
10	Innovative Technique for Bonding Fluoropolymers and Different Materials Using Atmospheric Pressure Plasma. *Journal of Japan Institute of Electronics Packaging*, **2016**, 19, 127-131	0.1	1
9	Effect of pH on Nanoparticle Structure in Radiochemical Synthesis of PtCu Alloy Supported on □Fe2O3 and Carbon. *MRS Advances*, **2016**, 1, 427-432	0.7	1
8	Development of Heat-assisted Plasma Treatment for DrasticImprovement in Adhesion Property of Fluoropolymers. *Journal of the Adhesion Society of Japan*, **2018**, 54, 4-16	0.1	1
7	Surface Modification of Fluoropolymer Using Open-Air Plasma Treatment at Atmospheric Pressure with Ar, Ar+O2, and Ar+H2 for Application in HighAdhesion Metal Wiring Patterns. *Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan*, **2018**, 69, 155-162	0.1	1
6	Influence of pH on performance of sodium phosphinate for decreasing the particle size. *Journal of Experimental Nanoscience*, **2016**, 11, 707-713	1.9	0

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5	Innovative Surface Modification of PTFE Using Heat-Assisted Plasma Treatment and Improvement in Adhesion Between PTFE and Different Materials. *Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan*, **2019**, 70, 96-102	0.1
4	Improvement in Adhesion of Copper Plating on Resin Substrate Using Chemically Adsorbed Monolayer Containing Pyrrolyl Group and Polypyrrole Film. *Journal of Japan Institute of Electronics Packaging*, **2011**, 14, 121-127	0.1
3	A Binder-Free Ag Paste Using a Chemically Adsorbed Monolayer. *Japanese Journal of Applied Physics*, **2009**, 48, 066506	1.4
2	Application of a Chemically Adsorbed Monolayer and polypyrrole Thin Film for Increasing the Adhesion Force between the Resin Substrate and the Plated Copper Layer. *Materials Research Society Symposia Proceedings*, **2008**, 1134, 1	
1	Radiolytic preparation of thin Au film directly on resin substrate using high-energy electron beam. *Thin Solid Films*, **2016**, 604, 63-68	2.2