

Yuji Ohkubo

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.

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	Open-air-type Ar + H ₂ O plasma treatment of polytetrafluoroethylene for improving Ag/PTFE adhesion strength: application to highly adhesive Ag direct wiring patterns. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, 077004	1.4	2
57	Strong Biomimetic Immobilization of Pt-Particle Catalyst on ABS Substrate Using Polydopamine and Its Application for Contact-Lens Cleaning with HO. <i>Nanomaterials</i> , 2020 , 10,	5.4	4
56	Comparison between adhesion properties of adhesive bonding and adhesive-free adhesion for heat-assisted plasma-treated polytetrafluoroethylene (PTFE) 2020 , 96, 776-796		12
55	Innovative Surface Modification of PTFE Using Heat-Assisted Plasma Treatment and Improvement in Adhesion Between PTFE and Different Materials. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2019 , 70, 96-102	0.1	
54	Influence of air contamination during heat-assisted plasma treatment on adhesion properties of polytetrafluoroethylene (PTFE).. <i>RSC Advances</i> , 2019 , 9, 22900-22906	3.7	4
53	Improved Catalytic Durability of Pt-Particle/ABS for HDD Decomposition in Contact Lens Cleaning. <i>Nanomaterials</i> , 2019 , 9,	5.4	2
52	Effect of rubber compounding agent on adhesion strength between rubber and heat-assisted plasma-treated polytetrafluoroethylene (PTFE) 2019 , 95, 242-257		8
51	Optimization of Gas Composition Used in Plasma Chemical Vaporization Machining for Figuring of Reaction-Sintered Silicon Carbide with Low Surface Roughness. <i>Scientific Reports</i> , 2018 , 8, 2376	4.9	11
50	Damage-free highly efficient polishing of single-crystal diamond wafer by plasma-assisted polishing. <i>CIRP Annals - Manufacturing Technology</i> , 2018 , 67, 353-356	4.9	21
49	Development of Heat-assisted Plasma Treatment for Drastic Improvement in Adhesion Property of Fluoropolymers. <i>Journal of the Adhesion Society of Japan</i> , 2018 , 54, 4-16	0.1	1
48	Adhesive-free adhesion between heat-assisted plasma-treated fluoropolymers (PTFE, PFA) and plasma-jet-treated polydimethylsiloxane (PDMS) and its application. <i>Scientific Reports</i> , 2018 , 8, 18058	4.9	19
47	Surface Modification of Fluoropolymer Using Open-Air Plasma Treatment at Atmospheric Pressure with Ar, Ar+O ₂ , and Ar+H ₂ for Application in High Adhesion Metal Wiring Patterns. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2018 , 69, 155-162	0.1	1
46	Effect of counterpart metals in carbon-supported Pt-based catalysts prepared using radiation chemical method. <i>Radiation Physics and Chemistry</i> , 2017 , 133, 67-71	2.5	1
45	Effect of metal ion location in reaction medium on formation process and structure of PtCu ₂ Co nanoparticles supported on carbon and Fe ₂ O ₃ . <i>Journal of Nuclear Science and Technology</i> , 2017 , 54, 472-480	1	1
44	Adhesive-free adhesion between polytetrafluoroethylene (PTFE) and isobutylene-isoprene rubber (IIR) via heat-assisted plasma treatment. <i>RSC Advances</i> , 2017 , 7, 6432-6438	3.7	18
43	Drastic Improvement in Adhesion Property of Polytetrafluoroethylene (PTFE) via Heat-Assisted Plasma Treatment Using a Heater. <i>Scientific Reports</i> , 2017 , 7, 9476	4.9	20
42	Radiolytic Synthesis of Pt-Particle/ABS Catalysts for HDD Decomposition in Contact Lens Cleaning. <i>Nanomaterials</i> , 2017 , 7,	5.4	3

41	Improvement in Adhesion between Polytetrafluoroethylene(PTFE)and Electroless-Plated Copper Film Using Heat-Assisted Plasma Treatment. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2016 , 67, 551-556	0.1	9
40	Influence of pH on performance of sodium phosphinate for decreasing the particle size. <i>Journal of Experimental Nanoscience</i> , 2016 , 11, 707-713	1.9	0
39	Mass production of highly loaded and highly dispersed PtRu/C catalysts for methanol oxidation using an electron-beam irradiation reduction method. <i>Journal of Experimental Nanoscience</i> , 2016 , 11, 123-137	1.9	7
38	Innovative Technique for Bonding Fluoropolymers and Different Materials Using Atmospheric Pressure Plasma. <i>Journal of Japan Institute of Electronics Packaging</i> , 2016 , 19, 127-131	0.1	1
37	Effect of pH on Nanoparticle Structure in Radiochemical Synthesis of PtCu Alloy Supported on γ -Fe ₂ O ₃ and Carbon. <i>MRS Advances</i> , 2016 , 1, 427-432	0.7	1
36	Radiolytic preparation of thin Au film directly on resin substrate using high-energy electron beam. <i>Thin Solid Films</i> , 2016 , 604, 63-68	2.2	
35	Radiochemical synthesis of a carbon-supported PtSnO ₂ bicomponent nanostructure exhibiting enhanced catalysis of ethanol oxidation. <i>Radiation Physics and Chemistry</i> , 2015 , 108, 1-6	2.5	6
34	Effect of decrease in the size of Pt nanoparticles using sodium phosphinate on electrochemically active surface area. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	9
33	X-ray-induced reduction of Au ions in an aqueous solution in the presence of support materials and in situ time-resolved XANES measurements. <i>Journal of Synchrotron Radiation</i> , 2014 , 21, 1148-52	2.4	13
32	Structure control of Pt-SnO ₂ catalyst for DEFC synthesized by electron beam irradiation method. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1641, 1		1
31	Improvement of methanol oxidation catalytic activities of radiochemically synthesized PtRu/C nanoparticles by post annealing process. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1641, 1		1
30	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. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	9
29	Preparation of carbon-supported PtCo nanoparticle catalysts for the oxygen reduction reaction in polymer electrolyte fuel cells by an electron-beam irradiation reduction method. <i>Journal of Materials Science</i> , 2013 , 48, 5047-5054	4.3	13
28	Active MetalOxide Interfaces in Supported PtRu/CeO ₂ and Mechanically Mixed PtRu+CeO ₂ Catalysts Synthesized by an Electron Beam Irradiation Method for Selective CO Oxidation. <i>Catalysis Letters</i> , 2013 , 143, 1182-1187	2.8	4
27	Carbon-supported AuPd bimetallic nanoparticles synthesized by high-energy electron beam irradiation for direct formic acid fuel cell. <i>Journal of Materials Science</i> , 2013 , 48, 2142-2150	4.3	18
26	CuO role in γ -Fe ₂ O ₃ -supported PtRu bimetallic nanoparticles synthesized by radiation-induced reduction as catalysts for preferential CO oxidation. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	14
25	Pt/TiO ₂ composite nanoparticles synthesized by electron beam irradiation for preferential CO oxidation. <i>Materials Research Bulletin</i> , 2013 , 48, 1347-1351	5.1	14
24	Structure of bicomponent metalOxide composites synthesized by electron beam irradiation method. <i>Journal of Alloys and Compounds</i> , 2013 , 577, 125-130	5.7	1

23	Structure and Catalytic Performance of PtCu Bimetallic Catalysts Synthesized by a Radiation-Induced Reduction Method in the Aqueous Phase: Influence of Support Material and Sulfate Ion in the Precursor. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 5742-5751	3.8	12
22	Comparison of structure and catalytic performance of PtCu and PtCu bimetallic catalysts supported on Al ₂ O ₃ and CeO ₂ synthesized by electron beam irradiation method for preferential CO oxidation. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 4456-4465	6.7	21
21	Effect of CeO ₂ support properties on structure of PtCu nanoparticles synthesized by electron beam irradiation method for preferential CO oxidation. <i>Chemical Engineering Journal</i> , 2013 , 223, 347-355	14.7	13
20	Radiation induced synthesis of PtCu/C nanoparticles using high-energy electron beam. <i>Materials Letters</i> , 2012 , 82, 33-35	3.3	5
19	Effect of support for PtCu bimetallic catalysts synthesized by electron beam irradiation method on preferential CO oxidation. <i>Applied Catalysis B: Environmental</i> , 2012 , 126, 306-314	21.8	27
18	CeO ₂ -supported PtCu alloy nanoparticles synthesized by radiolytic process for highly selective CO oxidation. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 4787-4797	6.7	31
17	Enhanced electrochemical stability of PtRuAu/C catalyst synthesized by radiolytic process. <i>Journal of Materials Research</i> , 2012 , 27, 1037-1045	2.5	12
16	Improvement in Adhesion of Copper Plating on Resin Substrate Using Chemically Adsorbed Monolayer Containing Pyrrolyl Group and Polypyrrole Film. <i>Journal of Japan Institute of Electronics Packaging</i> , 2011 , 14, 121-127	0.1	
15	Radiation induced synthesis of AuPd nanoparticles of random alloy structure supported on carbon particles using the high energy electron beam. <i>Materials Letters</i> , 2011 , 65, 2165-2167	3.3	5
14	Fe ₂ O ₃ -supported Pt-Cu nanoparticles synthesized by radiolytic process for catalytic CO preferential oxidation. <i>Applied Catalysis A: General</i> , 2011 , 406, 43-50	5.1	30
13	Technique for Immobilizing Copper Ions on a Substrate through a Nanoscale Thin Film Containing Pyrrole Groups. <i>Journal of Chemical Engineering of Japan</i> , 2010 , 43, 406-412	0.8	1
12	Preparation and characterization of super-hydrophobic and oleophobic surface. <i>Journal of Materials Science</i> , 2010 , 45, 4963-4969	4.3	26
11	Physical performance of the metal surface covered with the highly durable and chemically adsorbed fluorocarbon film. <i>Precision Engineering</i> , 2010 , 34, 440-445	2.9	4
10	Application of Chemically Adsorbed Fluorocarbon Film with Highly Durability as a Mold Release Agent. <i>Seikei-Kakou</i> , 2010 , 22, 104-114	0	2
9	Immobilization of Polypyrrole Thin Film and Copper Ions through a Chemically Adsorbed Monolayer Containing Pyrrolyl Group. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2009 , 60, 805-810	0.1	1
8	Development of a Water- and Oil-repellent Treatment for Silk and Cotton Fabrics with Fluoroalkyl-trimethoxysilane. <i>Journal of Textile Engineering</i> , 2009 , 55, 13-21	0.3	6
7	A Binder-Free Ag Paste Using a Chemically Adsorbed Monolayer. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 066506	1.4	
6	Magnetic particles stabilized by chemically adsorbed monolayers for use in functional fluids. <i>Thin Solid Films</i> , 2009 , 517, 4360-4364	2.2	1

5	Application of a chemically adsorbed fluorocarbon film to improve demolding. <i>Precision Engineering</i> , 2009 , 33, 229-234	2.9	8
4	Study on Super-Hydrophobic and Oleophobic Surfaces Prepared by Chemical Adsorption Technique. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 040205	1.4	5
3	Experimental Study on the Application as the Mold Release Agent of a Chemically Adsorbed Fluorocarbon Film. <i>Seikei-Kakou</i> , 2009 , 21, 38-43	0	2
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. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1134, 1		
1	Cross-sectional observation of a weak boundary layer in polytetrafluoroethylene (PTFE) using scanning electron microscope. <i>Polymer Journal</i> ,	2.7	3