

Toshifumi Yuji

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

228
citations

1163117

8
h-index

1125743

13
g-index

49
all docs

49
docs citations

49
times ranked

177
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Study of Temperatures of Atmospheric-Pressure Nonequilibrium Ar/N ₂ Plasma Jets and Poly(ethylene terephthalate)-Surface Processing. Japanese Journal of Applied Physics, 2007, 46, 795-798.	1.5	35
2	Surface Treatment of TiO ₂ Films by Pulse Plasma for Dye-Sensitized Solar Cells Application. IEEE Transactions on Plasma Science, 2007, 35, 1010-1013.	1.3	19
3	Optical Emission Characteristics of Atmospheric-Pressure Nonequilibrium Microwave Discharge and High-Frequency DC Pulse Discharge Plasma Jets. IEEE Transactions on Plasma Science, 2009, 37, 839-845.	1.3	18
4	Application to cleaning of waste plastic surfaces using atmospheric non-thermal plasma jets. Thin Solid Films, 2007, 515, 4301-4307.	1.8	16
5	Temperature behavior of atmospheric-pressure non-equilibrium microwave discharge plasma jets for poly(ethylene naphthalate)-surface processing. Surface and Coatings Technology, 2008, 202, 5289-5292.	4.8	15
6	Ceramic waste glass fiber-reinforced plastic-containing filtering materials for turbid water treatment. Environmental Earth Sciences, 2016, 75, 1.	2.7	13
7	An Analysis of ZnS:Cu Phosphor Layer Thickness Influence on Electroluminescence Device Performances. International Journal of Photoenergy, 2017, 2017, 1-4.	2.5	10
8	Laser-Induced Fluorescence Image of OH Radicals for Atmospheric-Pressure Nonequilibrium Dry Air Gas DC Pulse Plasma Jet. IEEE Transactions on Plasma Science, 2008, 36, 976-977.	1.3	9
9	Basic characteristics for PEN film surface modification using atmospheric-pressure nonequilibrium microwave plasma jet. Electronics and Communications in Japan, 2010, 93, 42-49.	0.5	8
10	Basic characteristics of Ar/N ₂ atmospheric pressure nonequilibrium microwave discharge plasma jets. IEEE Transactions on Electrical and Electronic Engineering, 2007, 2, 473-475.	1.4	7
11	The Investigation of Detect Position of Partial Discharge in Cast-Resin Transformer Using High-Frequency Current Transformer Sensor and Acoustic Emission Sensor. Applied Sciences (Switzerland), 2022, 12, 1310.	2.5	7
12	An Analysis of Student Anxiety Affecting on Online Learning on Conceptual Applications in Physics: Synchronous vs. Asynchronous Learning. Education Sciences, 2022, 12, 278.	2.6	7
13	Electrical properties of an epitaxial Si film prepared by RF magnetron plasma at low temperature. Thin Solid Films, 2005, 475, 348-353.	1.8	6
14	RF PECVD Characteristics for the Growth of Carbon Nanotubes in a CH ₄ -N ₂ Mixed Gas. IEEE Transactions on Plasma Science, 2007, 35, 1027-1032.	1.3	6
15	Effect of substrate temperature on ZnO thin film fabrication by using an atmospheric pressure cold plasma generator. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 503-505.	0.8	6
16	Ceramics utilizing glass fiber-reinforced plastic as civil engineering materials to counteract the heat island phenomenon. Mechanical Engineering Journal, 2016, 3, 16-00078-16-00078.	0.4	5
17	Numerical Analysis of Metal Transfer Process in Plasma MIG Welding. Metals, 2022, 12, 326.	2.3	5
18	Laser-Induced Fluorescence Detection of OH Radicals Generated by Atmospheric-Pressure Nonequilibrium DC Pulse Discharge Plasma Jets. IEEE Transactions on Plasma Science, 2014, 42, 960-964.	1.3	4

#	ARTICLE	IF	CITATIONS
19	Dye Adsorption Mechanism of Glass Fiber-Reinforced Plastic/Clay Ceramics and Influencing Factors. <i>Polymers</i> , 2021, 13, 3172.	4.5	4
20	Observation of Microstructure and Mechanical Properties in Heat Affected Zone of As-Welded Carbon Steel by Using Plasma MIG welding Process. <i>Metals</i> , 2022, 12, 315.	2.3	4
21	Porous Ceramics Adsorbents Based on Glass Fiber-Reinforced Plastics for NOx and SOx Removal. <i>Polymers</i> , 2022, 14, 164.	4.5	4
22	Surface Modification of Si Wafer by Low-Pressure High-Frequency Plasma Chemical Vapor Deposition Method. <i>IEEE Transactions on Plasma Science</i> , 2011, 39, 1427-1431.	1.3	3
23	Awareness Survey on Renewable Energy of Visiting Class for Junior High School. <i>IEEJ Transactions on Fundamentals and Materials</i> , 2010, 130, 523-524.	0.2	3
24	Surface Treatment of TiO ₂ Films by 4kHz Pulse Plasma for Dye-Sensitized Solar Cells Applications. , 2006, , .		2
25	Analysis of Instability Phenomena at Current Interruption in Vacuum Arc Discharge Compared With Silver or Copper Electrode. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 1774-1780.	1.3	2
26	Optical Emission Spectroscopy of Atmospheric-pressure Non-equilibrium DC Pulse Discharge Plasma Jets and PEN Film Surface Modification. <i>Journal of High Temperature Society</i> , 2007, 33, 137-141.	0.1	2
27	Low-Temperature Naturatron Sputtering System for Deposition of Indium Tin Oxide Film. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 3391-3396.	1.3	1
28	Development of low-pressure high-frequency plasma chemical vapor deposition method on surface modification of silicon wafer. <i>Vacuum</i> , 2014, 109, 166-169.	3.5	1
29	Performance Analysis of Ti-Doped In ₂ O ₃ Thin Films Prepared by Various Doping Concentrations Using RF Magnetron Sputtering for Light-Emitting Device. <i>International Journal of Photoenergy</i> , 2020, 2020, 1-9.	2.5	1
30	Development of Decontamination Treatment Techniques for Dry Powder Foods by Atmospheric-Pressure Nonequilibrium DC Pulse Discharge Plasma Jet. <i>Journal of Food Quality</i> , 2021, 2021, 1-7.	2.6	1
31	The Development of Polyethylene Naphthalate Films by Low-pressure High-frequency Plasma Chemical Vapor Deposition System with Advance Oxidations Process. <i>Journal of Advanced Oxidation Technologies</i> , 2015, 18, .	0.5	1
32	Questionnaire Survey for the People of Miyazaki Prefecture on Raise Concerns of Energy Problems. <i>IEEJ Transactions on Fundamentals and Materials</i> , 2010, 130, 119-120.	0.2	1
33	Development of Oxygen Radical Sensor for Atmospheric Non-Equilibrium Microwave Discharge Plasma Jet. <i>IEEE Transactions on Plasma Science</i> , 2022, 50, 310-316.	1.3	1
34	The Characterization Analysis of the Oil-Immersed Transformers Obtained by Area Elimination Method Design. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3970.	2.5	1
35	RF PE-CVD Characteristics for the Growth of Carbon Nanotubes in a CH ₄ /N ₂ mixed gas. , 2006, , .		0
36	Preparation study on large-scale PV system with pumped storage systems. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	Study on the scale thickness measurement technique in the steel pipe for Geothermal power station. , 2013, , .		0
38	Experimental study on a hydraulic power generator with floating turbine. , 2013, , .		0
39	An Analysis of Low-Pressure High-Frequency Plasma Chemical Vapor Deposition System for Flexible Solar Cell Characteristics. Applied Mechanics and Materials, 0, 749, 121-125.	0.2	0
40	Surface chemical structure of poly(ethylene naphthalate) films during degradation in low-pressure high-frequency plasma treatments. Japanese Journal of Applied Physics, 2018, 57, 06JE04.	1.5	0
41	High Performance of IZO Coated on PET Substrate for Electroluminescence Device Using Oxygen Plasma Treatment. International Journal of Photoenergy, 2021, 2021, 1-9.	2.5	0
42	The Use and Practice of Simple Electrolysis Kit that can be Experimented at Home. IEEJ Transactions on Fundamentals and Materials, 2011, 131, 408-409.	0.2	0
43	Awareness Survey for Expectancies of Energy and Electric in Thai and Japanese University Students. IEEJ Transactions on Fundamentals and Materials, 2011, 131, 637-638.	0.2	0
44	Development of Fault Diagnosis Classification Method System using Mahalanobis Distance in Micro Wind Turbine. IEEJ Transactions on Power and Energy, 2015, 135, 577-578.	0.2	0
45	Influence of Admixture of Oxygen into Shielding Gas on Cathode Spot Behavior. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2017, 35, 47s-50s.	0.5	0
46	Dyeing Technology for Textile Using Atmospheric Plasma. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2017, 68, 551-555.	0.2	0
47	Characterization Analysis of Aluminum and Indium Codoping Zinc Oxide on Flexible Transparent Substrates by RF Magnetron Sputtering Process. IEEE Transactions on Plasma Science, 2020, 48, 3921-3927.	1.3	0
48	Disinfection of malta juice dry powder food by atmospheric-pressure non-equilibrium DC pulse discharge plasma jet. AIP Conference Proceedings, 2022, , .	0.4	0