

# Radu Burlica

## List of Publications by Year in descending order

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53  
papers

919  
citations

933447

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h-index

794594

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g-index

54  
all docs

54  
docs citations

54  
times ranked

756  
citing authors

#	ARTICLE	IF	CITATIONS
1	Treatment of Polymeric Films Used for Printed Electronic Circuits Using Ambient Air DBD Non-Thermal Plasma. <i>Materials</i> , 2022, 15, 1919.	2.9	7
2	Analysis of plasma activated water by gliding arc at atmospheric pressure: Effect of the chemical composition of water on the activation. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	17
3	Electromagnetic Field Radiation Generated by Dielectric Barrier Discharge. , 2021, , .		0
4	Surface Treatment of Polyethylene Terephthalate Film Using a DBD Non-Thermal Plasma Reactor. , 2021, , .		1
5	DBD Non-Thermal Plasma Used on Surface Treatment of Polymeric Film for Food Packaging. , 2021, , .		1
6	Plant growth promotion effect of plasma activated water on <i>Lactuca sativa</i> L. cultivated in two different volumes of substrate. <i>Scientific Reports</i> , 2020, 10, 20920.	3.3	35
7	The Influence of NTP Reactor Geometry on H <sub>2</sub> O <sub>2</sub> Generation in Water. , 2020, , .		2
8	Technical Condition Monitoring of Impedance Bonds using Sensors and Dedicated Device. , 2020, , .		0
9	DBD Plasma in Air Reactor for Polymeric Surfaces Treatment. , 2020, , .		4
10	Energy Efficiency Evaluation of HV Power Supplies for Non-Thermal Plasma Generation. , 2019, , .		2
11	Electromagnetic field radiation generated by pulsed non-thermal plasma discharge. , 2019, , .		2
12	Sustainable and cleaner microwave-assisted dyeing process for obtaining eco-friendly and fluorescent acrylic knitted fabrics. <i>Journal of Cleaner Production</i> , 2019, 232, 451-461.	9.3	23
13	Capacitive Power Supply for Double Spark Plug Ignition System. , 2019, , .		0
14	Voltage Polarity Influence on NTP Energy Efficiency of Point-to-Point Reactor. , 2019, , .		2
15	NON-THERMAL PLASMA MINI-REACTORS FOR WATER TREATMENT. <i>Environmental Engineering and Management Journal</i> , 2019, 18, 1799-1807.	0.6	6
16	Short-circuit Thermal State of a Withdrawable Contact. , 2018, , .		2
17	Evaluation of Reactive Species Produced in Water by GlidArc Plasma. , 2018, , .		0
18	Simulating Electrical Connections in Terms of Thermal Stresses. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	Ayrton Relation Applied for Medium Voltage AC Electrical Discharges. , 2018, , .		0
20	Overvoltage Differential Protection of Low Voltage Circuits. , 2018, , .		3
21	Temperature influence in Direct Green 26 dye degradation rate with non-thermal plasma. , 2018, , .		0
22	Effect of Non-Thermal Activated Water on Lactuca Sativa L. Germination Dynamic. , 2018, , .		4
23	Morphological, Physiological and Productive Indicators of Lettuce under Non-thermal Plasma. , 2018, , .		5
24	Effect of non-thermal plasma on aqueous solutions treated in surface gliding discharges reactors. , 2017, , .		4
25	The effect of gas and solution flow rate on nitrates and $H_2O_2$ generation in NTP discharges. , 2016, , .		1
26	Considerations regarding the influence of contact resistance on the contacts of low voltage electrical equipment. , 2016, , .		10
27	DIRECT AND DELAYED DEGRADATION OF AZORUBIN (E122) BY GLIDING ARC DISCHARGES. Environmental Engineering and Management Journal, 2015, 14, 2737-2746.	0.6	5
28	A new solar energy converting system with vertical photovoltaic panels. , 2014, , .		2
29	Fault current protection control by $di/dt$ . , 2014, , .		0
30	A comparative study of non-thermal plasma Glidarc reactors. , 2014, , .		2
31	Effect of a semi-cylindrical wind shield on the power output of a vertical axis wind turbine. , 2014, , .		0
32	Zirconium and titanium surface treatment using non-thermal plasma for dentistry applications. , 2014, , .		2
33	Effects of the Voltage and Current Waveforms and Discharge Power on Hydrogen Peroxide Formation in Water-Spray Gliding Arc Reactors. IEEE Transactions on Industry Applications, 2013, 49, 1098-1103.	4.9	17
34	Optical Diagnostics of Electrical Discharge Water-Spray Reactors for Chemical Synthesis. IEEE Transactions on Industry Applications, 2013, 49, 305-310.	4.9	5
35	The evolution of aqueous solutions properties exposed to a GlidArc discharge. , 2012, , .		1
36	The influence of the dispersion flux on the connection transient regime for DC electromagnets. , 2012, , .		1

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37	Effect of the voltage waveforms and power on hydrogen and hydrogen peroxide formation in water-spray gliding arc reactor. , 2011, , .		1
38	Optical diagnostics of electrical discharge water spray reactors for chemical synthesis. , 2011, , .		0
39	Hydrogen Generation by Pulsed Gliding Arc Discharge Plasma with Sprays of Alcohol Solutions. Industrial & Engineering Chemistry Research, 2011, 50, 9466-9470.	3.7	65
40	EFFECT OF ELECTRICAL CURRENT ON H <sub>2</sub> / H <sub>2</sub> O <sub>2</sub> GENERATION IN NON-THERMAL PLASMA GLIDING ARC REACTORS. Environmental Engineering and Management Journal, 2011, 10, 579-583.	0.6	3
41	Bacteria Inactivation Using Low Power Pulsed Gliding Arc Discharges with Water Spray. Plasma Processes and Polymers, 2010, 7, 640-649.	3.0	84
42	Formation of H <sub>2</sub> and H <sub>2</sub> O <sub>2</sub> in a Water-Spray Gliding Arc Nonthermal Plasma Reactor. Industrial & Engineering Chemistry Research, 2010, 49, 6342-6349.	3.7	105
43	Reduction of electromagnetic perturbations for cold plasma electrochemical reactors using electromagnetic screening. , 2010, , .		3
44	Hydrogen and hydrogen peroxide formation in the AC water-spray gliding arc reactor. , 2010, , .		1
45	The study of an electric spark for igniting a fuel mixture. , 2010, , .		2
46	Effect of Pressure on Discharge Initiation and Chemical Reaction in a Liquid-Phase Electrical Discharge Reactor. IEEE Transactions on Industry Applications, 2009, 45, 630-637.	4.9	5
47	Pulsed Plasma Gliding-Arc Discharges With Water Spray. IEEE Transactions on Industry Applications, 2008, 44, 482-489.	4.9	90
48	Confined plasma gliding arc discharges. International Journal of Environment and Waste Management, 2008, 2, 484.	0.3	2
49	Effect of Pressure on Chemical Reaction in a Liquid Phase Electrical Discharge Reactor. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007, , .	0.0	0
50	Destruction plasmachimique d'acétone et de thiourée par décharge électrique à pression atmosphérique, Revue Des Sciences De L'Eau, 2007, 20, 265-272.	0.2	3
51	Effect of Pressure on Chemical Reaction in a Liquid Phase Electrical Discharge Reactor. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007, , .	0.0	0
52	Formation of reactive species in gliding arc discharges with liquid water. Journal of Electrostatics, 2006, 64, 35-43.	1.9	272
53	Organic dye removal from aqueous solution by gliding arc discharges. Journal of Electrostatics, 2004, 62, 309-321.	1.9	104