Antonio Rodero

List of Publications by Year
in descending order

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44 papers	972 citations	516710 16 h-index	454955 30 g-index
44 all docs	44 docs citations	44 times ranked	848 citing authors

#	Article	IF	Citations
1	Determination of Physicochemical Water Quality of the Ghis-Nekor Aquifer (Al Hoceima, Morocco) Using Hydrochemistry, Multiple Isotopic Tracers, and the Geographical Information System (GIS). Water (Switzerland), 2022, 14, 606.	2.7	14
2	Experimental Study of a Rotating Electrode Plasma Reactor for Hydrogen Production from Liquid Petroleum Gas Conversion. Applied Sciences (Switzerland), 2022, 12, 4045.	2.5	2
3	The Study of Soil Temperature Distribution for Very Low-Temperature Geothermal Energy Applications in Selected Locations of Temperate and Subtropical Climate. Energies, 2022, 15, 3345.	3.1	1
4	Disposal Behavior of Used Masks during the COVID-19 Pandemic in the Moroccan Community: Potential Environmental Impact. International Journal of Environmental Research and Public Health, 2021, 18, 4382.	2.6	39
5	Analysis of the Applicability of the Parabolic Trough Solar Thermal Power Plants in the Locations with a Temperate Climate. Energies, 2021, 14, 3003.	3.1	5
6	Carbon Dioxide Decomposition by a Parallel-Plate Plasma Reactor: Experiments and 2-D Modelling. Applied Sciences (Switzerland), 2021, 11, 10047.	2.5	7
7	Efficiency of a solar collector system for the public building depending on its location. Environmental Science and Pollution Research, 2020, 27, 101-110.	5.3	12
8	Preliminary Study on the Treatment of Benzene Contaminated Water using an Argon Microwave Plasma Jet. IOP Conference Series: Materials Science and Engineering, 2020, 809, 012019.	0.6	0
9	Study of the plasmaâ€“liquid interaction for an argon nonthermal microwave plasma jet from the analysis of benzene degradation. Plasma Processes and Polymers, 2020, 17, 2000030.	3.0	8
10	Measuring the air fraction and the gas temperature in non-thermal argon plasma jets through the study of the air influence on the collisional broadening of some argon atomic emission lines. Plasma Sources Science and Technology, 2020, 29, 055006.	3.1	5
11	The Advisability of Employment of Renewable Energy Sources in DHW Systems in the Kindergarten. Proceedings (mdpi), 2019, 16, 41.	0.2	1
12	Preface: Proceedings of the 8th International Conference ISMOâ€™19â€”Innovations-Sustainability-Modernity-Openness. Proceedings (mdpi), 2019, 16, .	0.2	0
13	Carbon Dioxide Human Gainsâ€”A New Approach of the Estimation. Sustainability, 2019, 11, 7128.	3.2	6
14	Characterization of an Air-Based Coaxial Dielectric Barrier Discharge Plasma Source for Biofilm Eradication. Plasma Chemistry and Plasma Processing, 2018, 38, 535-556.	2.4	7
15	Method for Estimation of CO2 Gains from Persons in Builidings. Proceedings (mdpi), 2018, 2, 1309.	0.2	2
16	Analysis of the Solar Collectors Installation on a Roof of the Small Public Building in Poland, Lithuania and Spainâ€”A Case Study. Proceedings (mdpi), 2018, 2, .	0.2	4
17	The analysis of microclimate parameters in the classrooms located in different climate zones. Applied Thermal Engineering, 2017, 113, 1088-1096.	6.0	18
18	Gas temperature determination of non-thermal atmospheric plasmas from the collisional broadening of argon atomic emission lines. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 198, 93-103.	2.3	19

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19	Microwave atmospheric pressure plasma jets for wastewater treatment: Degradation of methylene blue as a model dye. Chemosphere, 2017, 180, 239-246.	8.2	116
20	Using the Pairs of Lines Broadened by Collisions with Neutral and Charged Particles for Gas Temperature Determination of Argon Non-Thermal Plasmas at Atmospheric Pressure. Atoms, 2017, 5, 41.	1.6	3
21	CO 2 concentration in naturally ventilated classrooms located in different climatesâ€"Measurements and simulations. Energy and Buildings, 2016, 129, 491-498.	6.7	59
22	Application of microwave air plasma in the destruction of trichloroethylene and carbon tetrachloride at atmospheric pressure. Journal of Hazardous Materials, 2011, 186, 820-826.	12.4	15
23	Modeling of an axial injection torch. EPJ Applied Physics, 2009, 46, 21001.	0.7	10
24	Application of a Microwave Helium Plasma Torch Operating at Atmospheric Pressure to Destroy Trichloroethylene. Plasma Chemistry and Plasma Processing, 2008, 28, 415-428.	2.4	11
25	Distribution of Excited Species in a Helium Plasma Flame During the Destruction of Carbon Tetrachloride at Atmospheric Pressure. IEEE Transactions on Plasma Science, 2008, 36, 984-985.	1.3	0
26	Assessment of a new carbon tetrachloride destruction system based on a microwave plasma torch operating at atmospheric pressure. Journal of Hazardous Materials, 2007, 148, 419-427.	12.4	16
27	The Stark-crossing method for the simultaneous determination of the electron temperature and density in plasmas. Journal of Physics: Conference Series, 2006, 44, 70-79.	0.4	8
28	Radial description of excitation processes of molecular and atomic species in a high-pressure helium microwave plasma torch. Journal Physics D: Applied Physics, 2005, 38, 3768-3777.	2.8	22
29	Thermal inequilibrium of atmospheric helium microwave plasma produced by an axial injection torch. Journal of Applied Physics, 2005, 98, 093304.	2.5	10
30	The effect of the gas flow-rate on the radial structure of a torch-like helium plasma. IEEE Transactions on Plasma Science, 2005, 33, 422-423.	1.3	2
31	Radial distribution of electron density, gas temperature and air species in a torch kind helium plasma produced at atmospheric pressure. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2004, 59, 709-721.	2.9	23
32	SPECTROSCOPIC STUDY OF A HELIUM MICROWAVE DISCHARGE PRODUCED BY THE AXIAL INJECTION TORCH. High Temperature Material Processes, 2004, 8, 519-533.	0.6	5
33	The role of molecular rare gas ions in plasmas operated at atmospheric pressure. Plasma Sources Science and Technology, 2003, 12, 464-474.	3.1	64
34	An Abel inversion method for radially resolved measurements in the axial injection torch. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2002, 57, 1665-1680.	2.9	124
35	Experimental study of the creation of a surface-wave-sustained argon plasma column at atmospheric pressure. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2002, 57, 1727-1737.	2.9	13
36	TIME-DEPENDENT PLASMA PROPERTIES STUDIED WITH A 2-D THOMSON SCATTERING SYSTEM. High Temperature Material Processes, 2002, 6, 14.	0.6	0

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37	Spectroscopic study of a surface-wave-sustained argon plasma column at atmospheric pressure by means of a power interruption technique. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2000, 55, 1611-1621.	2.9	8
38	Spectroscopic study of a stationary surface-wave sustained argon plasma column at atmospheric pressure. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2000, 55, 1733-1745.	2.9	58
39	The behavior of molecules in microwave-induced plasmas studied by optical emission spectroscopy. 2: Plasmas at reduced pressure. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1999, 54, 1085-1098.	2.9	43
40	The behavior of molecules in microwave-induced plasmas studied by optical emission spectroscopy. 1. Plasmas at atmospheric pressure. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1998, 53, 1553-1566.	2.9	66
41	Determination of the Excitation Temperature in a Nonthermodynamic-Equilibrium High-Pressure Helium Microwave Plasma Torch. Applied Spectroscopy, 1997, 51, 778-784.	2.2	55
42	Preliminary spectroscopic experiments with helium microwave induced plasma produced in air by use of a new structure: the axial injection torch. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1996, 51, 467-479.	2.9	42
43	An experimental study of the deviation from equilibrium in a high-pressure microwave helium plasma produced by an axial injection torch. Journal Physics D: Applied Physics, 1996, 29, 681-686.	2.8	22
44	Excitation Kinetic in an Argon Plasma Column Produced by a Surface Wave at Atmospheric Pressure. Journal of the Physical Society of Japan, 1996, 65, 948-954.	1.6	27