Ioan Stefanescu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5454610/publications.pdf

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50	860	567281	477307
papers	citations	15 h-index	29 g-index

51	51	51	1139
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Final status of water detritiation system (WDS) for Cernavoda Tritium removal facility (CTRF). Fusion Engineering and Design, 2018, 136, 1038-1040.	1.9	8
2	A Class of High Performance Electrocatalysts for Oxygen Reduction Reaction of Fuel Cells, using Iodine Doped Graphene. Materials Today: Proceedings, 2018, 5, 15915-15922.	1.8	2
3	Low cost iodine intercalated graphene for fuel cells electrodes. Applied Surface Science, 2017, 424, 93-100.	6.1	23
4	Iodine-Doped Graphene for Enhanced Electrocatalytic Oxygen Reduction Reaction in Proton Exchange Membrane Fuel Cell Applications. Journal of Electrochemical Energy Conversion and Storage, 2017, 14, .	2.1	21
5	Theoretical Considerations for Purification System Used in Hydrogen Isotopes Separation Plants. Fusion Science and Technology, 2017, 71, 590-594.	1.1	0
6	Aspects Concerning Manufacture of Reproducible and Homogeneous Batches of Pt/C/PTFE Catalyst for Hydrogen-Water Isotopic Exchange. Fusion Science and Technology, 2017, 71, 649-653.	1.1	3
7	Tritium Level Evolution in the Environment at Experimental Pilot for Tritium and Deuterium Separationâ€"ICSI. Fusion Science and Technology, 2017, 71, 339-343.	1.1	0
8	Low cost iodine doped graphene for fuel cell electrodes. International Journal of Hydrogen Energy, 2017, 42, 26877-26888.	7.1	31
9	Theoretical Analysis for Setting Up a Catalyst-Packing Mixture that Equips a Catalytic Isotopic Exchange Column. Fusion Science and Technology, 2017, 71, 532-536.	1.1	4
10	Doped Graphene as Non-Metallic Catalyst for Fuel Cells. Medziagotyra, 2017, 23, .	0.2	5
11	ICIT activities related to tritium management. Fusion Engineering and Design, 2016, 109-111, 647-651.	1.9	7
12	Convenient graphene based materials as potential candidates for low cost fuel cell catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2016, 118, 281-296.	1.7	12
13	Regional and Vintage Discrimination of Romanian Wines Based on Elemental and Isotopic Fingerprinting. Food Analytical Methods, 2016, 9, 2406-2417.	2.6	35
14	Verifying the red wines adulteration through isotopic and chromatographic investigations coupled with multivariate statistic interpretation of the data. Food Control, 2016, 62, 1-9.	5.5	40
15	Classification of red wines using suitable markers coupled with multivariate statistic analysis. Food Chemistry, 2016, 192, 1015-1024.	8.2	63
16	Acquired Experience Resulting from Transforming a Chemical Installation to a Nuclear. Fusion Science and Technology, 2015, 67, 677-680.	1.1	1
17	Experimental Investigation on Hydrogen Cryogenic Distillation Equipped with Package Made by ICIT. Fusion Science and Technology, 2015, 67, 266-269.	1.1	4
18	An assessment on hydrogen isotopes separation by liquid phase catalytic exchange process. Journal of Radioanalytical and Nuclear Chemistry, 2015, 305, 117-126.	1.5	19

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19	Graphene-based Materials Used as the Catalyst Support for PEMFC Applications. Materials Today: Proceedings, 2015, 2, 3797-3805.	1.8	18
20	Using stable isotopes in tracing contaminant sources in an industrial area: A case study on the hydrological basin of the Olt River, Romania. Science of the Total Environment, 2015, 533, 17-23.	8.0	35
21	Discrimination of vegetable oils using NMR spectroscopy and chemometrics. Food Control, 2015, 48, 84-90.	5.5	90
22	On the Synthesis and Characterization of Silica-Doped/Sulfonated Poly-(2,6-Dimethyl-1,4-Phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	5
23	Study about sorption of protium and mixture protiumâ€“tritium on sponge titanium. Fusion Engineering and Design, 2013, 88, 2476-2478.	1.9	0
24	Deuterium Depleted Water-New Studies About Isotopic Distillation Obtaining Process. Asian Journal of Chemistry, 2013, 25, 7976-7978.	0.3	0
25	Implementation and testing of the JET gamma-ray cameras neutron filters pneumatic system. Fusion Engineering and Design, 2011, 86, 1196-1199.	1.9	1
26	The Prediction of Tritium Level Reduction of NPP Cernavoda Using CTRF. Fusion Science and Technology, 2011, 60, 1411-1414.	1.1	1
27	Tritium Monitoring in the Environment at Tritium Separation Facility - ICIT. Fusion Science and Technology, 2011, 60, 1002-1005.	1.1	4
28	The influence of permeability changes for a 7-serpentine channel pem fuel cell performance. International Journal of Hydrogen Energy, 2011, 36, 10376-10383.	7.1	11
29	Radiocarbon and Tritium Levels Along the Romanian Lower Danube River. Radiocarbon, 2010, 52, 783-793.	1.8	12
30	Direct Absorption Method and Liquid Scintillation Counting for Radiocarbon Measurements in Organic Carbon from Sediments. Radiocarbon, 2010, 52, 794-799.	1.8	4
31	Laboratory studies conducted for the development of a plant to concentrate the radioactive waste from tritiated water. Fusion Engineering and Design, 2010, 85, 1970-1974.	1.9	3
32	Methods to Obtaining and Characterization of Bands Shape Memory Alloy NiTi (1 mm). , 2010, , .		0
33	STUDIES CONCERNING DDW USE FOR DEUTERIUM DEPLETION IN THE ORGANISM OF LABORATORY ANIMALS. Environmental Engineering and Management Journal, 2010, 9, 1473-1476.	0.6	1
34	ASSESSMENT OF DEUTERIUM DEPLETION IN PLYMOUTH ROCK CHICKENS' BODIES. Environmental Engineering and Management Journal, 2010, 9, 1477-1480.	0.6	1
35	THE RADIOPROTECTIVE EFFECT OF DEUTERIUM DEPLETED WATER AND POLYPHENOLS. Environmental Engineering and Management Journal, 2010, 9, 1509-1514.	0.6	1
36	Applying direct liquid scintillation counting to low level tritium measurement. Applied Radiation and Isotopes, 2009, 67, 812-816.	1.5	38

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37	Improved characteristics of hydrophobic polytetrafluoroethyleneâ€“platinum catalysts for tritium recovery from tritiated water. Fusion Engineering and Design, 2008, 83, 1392-1394.	1.9	23
38	Study about sorption in sponge and powder titanium of hydrogen isotopes obtained from a cryogenic distillation process. Renewable Energy, 2008, 33, 216-220.	8.9	6
39	Modified SBA-15 mesoporous silica for heavy metal ions remediation. Chemosphere, 2008, 73, 1499-1504.	8.2	237
40	A Parametrical Study of a Seven Serpentine Channel PEM Fuel Cell. , 2008, , .		1
41	Tritium Level Along Romanian Black Sea Coast. Fusion Science and Technology, 2008, 54, 285-288.	1.1	0
42	Improvement of Pt/C/PTFE Catalyst Type Used for Hydrogen Isotope Separation. Fusion Science and Technology, 2008, 54, 437-439.	1.1	12
43	The Setup of an Extraction System Coupled to a Hydrogen Isotopes Distillation Column. Fusion Science and Technology, 2008, 54, 423-425.	1.1	2
44	Design and Characterization of Styrene-Based Proton Exchange Membranes. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , 383-388.	0.3	1
45	Applying the Direct Absorption Method and LSC for ¹⁴C Concentration Measurement in Aqueous Samples. Radiocarbon, 2007, 49, 281-289.	1.8	18
46	A computational fluid dynamics analysis of a PEM fuel cell system for power generation. International Journal of Numerical Methods for Heat and Fluid Flow, 2007, 17, 302-312.	2.8	26
47	The Use of Tritiated Wastewater from NPP Cernavoda to Estimate Maximum Soluble Pollutants on Danube-Black Sea Channel. Fusion Science and Technology, 2005, 48, 716-719.	1.1	0
48	Numerical simulation of mass and charge transfer for a PEM fuel cell. International Communications in Heat and Mass Transfer, 2005, 32, 1273-1280.	5.6	12
49	Studies concerning mass and heat transfer on B7 structured packing. Nuclear Technology and Radiation Protection, 2004, 19, 52-58.	0.8	2
50	The Separation of Deuterium and Tritium on PT/SDB/PS and PT/C/PTFE Hydrophobe Catalysts. Fusion Science and Technology, 1995, 28, 641-646.	0.6	15