

Guy Cheymol

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8179086/publications.pdf>

Version: 2024-02-01

34
papers

327
citations

1040056

9
h-index

888059

17
g-index

34
all docs

34
docs citations

34
times ranked

266
citing authors

#	ARTICLE	IF	CITATIONS
1	High Level Gamma and Neutron Irradiation of Silica Optical Fibers in CEA OSIRIS Nuclear Reactor. IEEE Transactions on Nuclear Science, 2008, 55, 2252-2258.	2.0	84
2	Compaction in Optical Fibres and Fibre Bragg Gratings Under Nuclear Reactor High Neutron and Gamma Fluence. IEEE Transactions on Nuclear Science, 2016, 63, 2317-2322.	2.0	50
3	Laser induced breakdown spectroscopy application in joint European torus. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 123, 121-128.	2.9	33
4	Multispectral pyrometry for surface temperature measurement of oxidized Zircaloy claddings. Infrared Physics and Technology, 2017, 83, 78-87.	2.9	25
5	New contactless method for thermal diffusivity measurements using modulated photothermal radiometry. Review of Scientific Instruments, 2014, 85, 054903.	1.3	19
6	Dimensional Measurements Under High Radiation With Optical Fibre Sensors Based on White Light Interferometry - Report on Irradiation Tests. IEEE Transactions on Nuclear Science, 2014, 61, 2075-2081.	2.0	18
7	Study of Fiber Bragg Grating Samples Exposed to High Fast Neutron Fluences. IEEE Transactions on Nuclear Science, 2018, 65, 2494-2501.	2.0	17
8	Fiber Optics for Metrology in Nuclear Research Reactors Applications to Dimensional Measurements. IEEE Transactions on Nuclear Science, 2011, 58, 1895-1902.	2.0	16
9	Fibre Optic Extensometer for High Radiation and High Temperature Nuclear Applications. IEEE Transactions on Nuclear Science, 2013, 60, 3781-3784.	2.0	15
10	Fabry Perot sensor for in-pile nuclear reactor metrology. , 2008, , .		10
11	Irradiation Tests of Optical Fibers and Cables Devoted to Corium Monitoring in Case of a Severe Accident in a Nuclear Power Plant. IEEE Transactions on Nuclear Science, 2020, 67, 669-678.	2.0	5
12	Fibre optic extensometer for high radiation and high temperature nuclear applications. , 2011, , .		4
13	Irradiation Campaign in the EOLE Critical Facility of Fiber Optic Bragg Gratings Dedicated to the Online Temperature Measurement in Zero Power Research Reactors. IEEE Transactions on Nuclear Science, 2016, 63, 2887-2894.	2.0	4
14	High-Temperature Measurements With a Fabry Perot Extensometer. IEEE Transactions on Nuclear Science, 2020, 67, 552-558.	2.0	4
15	Dimensional measurements under high radiation with optical fibre sensors based on white light interferometry - report on irradiation tests. , 2013, , .		3
16	Toward Confocal Chromatic Sensing in Nuclear Reactors: In Situ Optical Refractive Index Measurements of Bulk Glass. IEEE Transactions on Nuclear Science, 2022, 69, 722-730.	2.0	3
17	Fibre optics for metrology in nuclear research reactors applications to dimensional measurements. , 2009, , .		2
18	Phase lock-in thermography for metal walls characterization. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
19	Compaction in optical fibres and fibre Bragg gratings under nuclear reactor high neutron and gamma fluence. , 2015, , .		2
20	Lock-in thermography for characterization of nuclear materials. EPJ Nuclear Sciences & Technologies, 2016, 2, 20.	0.7	2
21	Theoretical and Experimental Analyses of the Impact of High-Temperature Surroundings on the Temperature Estimated by an Optical Pyrometry Technique. IEEE Transactions on Nuclear Science, 2018, 65, 2593-2600.	2.0	2
22	Modular LPP Source. , 0, , 577-605.		2
23	Confocal chromatic sensor for displacement monitoring in research reactor. EPJ Web of Conferences, 2021, 253, 04021.	0.3	2
24	Novel pump configuration for thin disk lasers. , 2005, 5707, 271.		1
25	Pyrometry techniques for temperature monitoring in simulated LOCA (Jules Horowitz Reactor). , 2013, , .		1
26	Structural and optical changes in silica-based optical fibers exposed to high neutron and gamma fluences. Journal of Non-Crystalline Solids, 2021, 574, 121150.	3.1	1
27	Laser and optical developments of a modular laser-plasma source for EUV lithography. , 2005, , .		0
28	High level gamma and neutron irradiation of silica optical fibers in CEA OSIRIS nuclear reactor. , 2007, , .		0
29	Irradiation campaign in the EOLE critical facility of fiber optic Bragg gratings dedicated to the online temperature measurement in zero power research reactors. , 2015, , .		0
30	CEA's Optical Pyrometry Technique for Non-Contact Temperature Measurement in High Temperature Surroundings. EPJ Web of Conferences, 2018, 170, 08004.	0.3	0
31	Test of Fibre Bragg Gratings samples under High Fast Neutrons Fluence. EPJ Web of Conferences, 2018, 170, 04004.	0.3	0
32	Measurement of reactor core temperature using multispectral infrared pyrometry in accidental conditions. EPJ Web of Conferences, 2020, 225, 08005.	0.3	0
33	Report of High Temperature Measurements with a Fabry-Perot Extensometer. EPJ Web of Conferences, 2020, 225, 01011.	0.3	0
34	Corrections to α -radiation Tests of Optical Fibers and Cables Devoted to Corium Monitoring in Case of a Severe Accident in a Nuclear Power Plant. IEEE Transactions on Nuclear Science, 2020, 67, 1195-1195.	2.0	0