

Guy Cheymol

List of Publications by Year in descending order

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1040056

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34
times ranked

266
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward Confocal Chromatic Sensing in Nuclear Reactors: <i>In Situ</i> Optical Refractive Index Measurements of Bulk Glass. IEEE Transactions on Nuclear Science, 2022, 69, 722-730.	2.0	3
2	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
3	Confocal chromatic sensor for displacement monitoring in research reactor. EPJ Web of Conferences, 2021, 253, 04021.	0.3	2
4	Measurement of reactor core temperature using multispectral infrared pyrometry in accidental conditions. EPJ Web of Conferences, 2020, 225, 08005.	0.3	0
5	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
6	High-Temperature Measurements With a Fabry-Perot Extensometer. IEEE Transactions on Nuclear Science, 2020, 67, 552-558.	2.0	4
7	Report of High Temperature Measurements with a Fabry-Perot Extensometer. EPJ Web of Conferences, 2020, 225, 01011.	0.3	0
8	Corrections to "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, 1195-1195.	2.0	0
9	CEA's Optical Pyrometry Technique for Non-Contact Temperature Measurement in High Temperature Surroundings. EPJ Web of Conferences, 2018, 170, 08004.	0.3	0
10	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
11	Study of Fiber Bragg Grating Samples Exposed to High Fast Neutron Fluences. IEEE Transactions on Nuclear Science, 2018, 65, 2494-2501.	2.0	17
12	Test of Fibre Bragg Gratings samples under High Fast Neutrons Fluence. EPJ Web of Conferences, 2018, 170, 04004.	0.3	0
13	Multispectral pyrometry for surface temperature measurement of oxidized Zircaloy claddings. Infrared Physics and Technology, 2017, 83, 78-87.	2.9	25
14	Lock-in thermography for characterization of nuclear materials. EPJ Nuclear Sciences & Technologies, 2016, 2, 20.	0.7	2
15	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
16	Laser induced breakdown spectroscopy application in joint European torus. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 123, 121-128.	2.9	33
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Compaction in optical fibres and fibre Bragg gratings under nuclear reactor high neutron and gamma fluence. , 2015, , .		2
20	New contactless method for thermal diffusivity measurements using modulated photothermal radiometry. Review of Scientific Instruments, 2014, 85, 054903.	1.3	19
21	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
22	Fibre Optic Extensometer for High Radiation and High Temperature Nuclear Applications. IEEE Transactions on Nuclear Science, 2013, 60, 3781-3784.	2.0	15
23	Dimensional measurements under high radiation with optical fibre sensors based on white light interferometry - report on irradiation tests. , 2013, , .		3
24	Pyrometry techniques for temperature monitoring in simulated LOCA (Jules Horowitz Reactor). , 2013, , .		1
25	Phase lock-in thermography for metal walls characterization. , 2013, , .		2
26	Fibre optic extensometer for high radiation and high temperature nuclear applications. , 2011, , .		4
27	Fiber Optics for Metrology in Nuclear Research Reactorsâ€™ Applications to Dimensional Measurements. IEEE Transactions on Nuclear Science, 2011, 58, 1895-1902.	2.0	16
28	Fibre optics for metrology in nuclear research reactors applications to dimensional measurements. , 2009, , .		2
29	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
30	Fabry Perot sensor for in-pile nuclear reactor metrology. , 2008, , .		10
31	High level gamma and neutron irradiation of silica optical fibers in CEA OSIRIS nuclear reactor. , 2007, , .		0
32	Novel pump configuration for thin disk lasers. , 2005, 5707, 271.		1
33	Laser and optical developments of a modular laser-plasma source for EUV lithography. , 2005, , .		0
34	Modular LPP Source. , 0, , 577-605.		2