

Guillaume Ricciardi

List of Publications by Year in descending order

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39
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docs citations

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times ranked

136
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of a slender structure subjected to annular flow, application to a nuclear reactor core guide tube. <i>Annals of Nuclear Energy</i> , 2022, 165, 108774.	1.8	0
2	Analytical model of transverse pressure loss in a rod array. <i>Nuclear Engineering and Technology</i> , 2022, 54, 2714-2719.	2.3	1
3	Numerical Study of Coupled Fluid and Solid Wave Propagation Related to the Cladding Failure of a Nuclear Fuel Rod. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1784.	2.5	1
4	Analytical model of added mass, damping and stiffness of a fuel assembly induced by axial flow. <i>Nuclear Engineering and Design</i> , 2022, 389, 111670.	1.7	1
5	Modal contribution of bundle oscillation to induced flow. <i>Journal of Fluids and Structures</i> , 2022, 111, 103557.	3.4	0
6	Seismic response of cylinder assemblies in axial flow. <i>Journal of Fluid Mechanics</i> , 2022, 943, .	3.4	1
7	Improving EIT-Based Visualizations of Two-Phase Flows Using an Eigenvalue Correlation Method. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-9.	4.7	12
8	Practical comparisons of EIT excitation protocols with applications in high-contrast imaging. <i>Measurement Science and Technology</i> , 2021, 32, 085110.	2.6	6
9	Advanced benchmark of the flow through a mixing vane grid “ Large eddy simulation validation. <i>Nuclear Engineering and Design</i> , 2021, 381, 111335.	1.7	2
10	Deployment of Time-Resolved Particle Image Velocimetry between two PWR surrogate bundles. <i>Nuclear Engineering and Design</i> , 2021, 382, 111375.	1.7	1
11	Multiscale Filtering of Compressible Wave Propagation in Complex Geometry through a Wavelet-Based Approach in the Framework of Pressurized Water Reactors Depressurization Transient Analysis. <i>Fluids</i> , 2020, 5, 64.	1.7	0
12	Numerical Investigation of Fluid Forces Acting on a Confined Cylinder with Obstacle Subjected to Axial Flow. <i>Science and Technology of Nuclear Installations</i> , 2020, 2020, 1-10.	0.8	5
13	High Speed EIT With Multifrequency Excitation Using FPGA and Response Analysis Using FDM. <i>IEEE Sensors Journal</i> , 2020, 20, 8698-8710.	4.7	14
14	Particle-laden flow around an obstacle in a square pipe: experiments and modeling. <i>Mechanics and Industry</i> , 2020, 21, 517.	1.3	4
15	Experimental study of fluid structure interaction on fuel assemblies on the ICARE experimental facility. <i>Nuclear Engineering and Design</i> , 2019, 352, 110146.	1.7	7
16	On the Implementation of Simultaneous Multi-Frequency Excitations and Measurements for Electrical Impedance Tomography. <i>Sensors</i> , 2019, 19, 3679.	3.8	13
17	Nonlinear normal mode continuation through a Proper Generalized Decomposition approach with modal enrichment. <i>Journal of Sound and Vibration</i> , 2019, 443, 444-459.	3.9	10
18	Hydraulic coupling of fuel assemblies under axial flow, confinement effect. <i>Nuclear Engineering and Design</i> , 2018, 326, 190-201.	1.7	5

#	ARTICLE	IF	CITATIONS
19	Parametric study on confinement effect on a fuel assembly dynamical behavior under axial flow. Journal of Fluids and Structures, 2018, 78, 109-125.	3.4	7
20	Numerical strategy for dynamic simulation of impacts on SFR fuel pins and experimental validation. Nuclear Engineering and Design, 2018, 340, 73-85.	1.7	3
21	Electrical Capacitance-Based Flow Regimes Identification” Multiphase Experiments and Sensor Modeling. IEEE Sensors Journal, 2017, 17, 8117-8128.	4.7	11
22	Novel Approach for Analysis and Design of High-Speed Electrical Impedance Tomographic System for Void Fraction Measurements in Fast Two-Phase Flows. IEEE Sensors Journal, 2017, 17, 4472-4482.	4.7	10
23	Comparative study of the contribution of various PWR spacer grid components to hydrodynamic and wall pressure characteristics. Nuclear Engineering and Design, 2017, 317, 22-43.	1.7	14
24	Assessment tools for numerical resolution of a contact dynamic problem with modal basis reduction.. Procedia Engineering, 2017, 199, 540-545.	1.2	1
25	Dynamical Nonlinear Modelling Of A Pressurised Water Reactor Fuel Assembly Subjected To An Axial Flow. Procedia Engineering, 2017, 199, 1314-1319.	1.2	2
26	Fluid Damping in Fuel Assemblies. , 2017, , .		2
27	Fluid”structure interaction modelling of a PWR fuel assembly subjected to axial flow. Journal of Fluids and Structures, 2016, 62, 156-171.	3.4	22
28	Fluidelastic Instability in Tube Arrays Subject to Two-Phase Cross Flow: A Porous Medium Approach. , 2015, , .		0
29	Modelling of the flow induced stiffness of a PWR fuel assembly. Nuclear Engineering and Design, 2015, 282, 8-14.	1.7	17
30	Measurements of fluid fluctuations around an oscillating nuclear fuel assembly. Journal of Fluids and Structures, 2014, 48, 332-346.	3.4	20
31	Sliding window proper orthogonal decomposition: Application to linear and nonlinear modal identification. Journal of Sound and Vibration, 2014, 333, 5312-5323.	3.9	14
32	Fluctuating pressure calculation induced by axial flow trough mixing grid. Nuclear Engineering and Design, 2012, 242, 233-246.	1.7	19
33	LES CFD Simulation of Unsteady Fluid Forces in Tube Bundle. , 2011, , .		0
34	Fluid-Structure Interaction in a 3-by-3 Reduced-Scale Fuel Assembly Network. Science and Technology of Nuclear Installations, 2010, 2010, 1-8.	0.8	11
35	Row of fuel assemblies analysis under seismic loading: Modelling and experimental validation. Nuclear Engineering and Design, 2009, 239, 2692-2704.	1.7	28
36	Modelling Pressurized Water Reactor cores in terms of porous media. Journal of Fluids and Structures, 2009, 25, 112-133.	3.4	35

#	ARTICLE	IF	CITATIONS
37	Numerical and Experimental Investigation of Nuclear Reactor Core Modeled by a Porous Media. , 2007, , .		0
38	Impact forces occurring in a forced damped multi-body system with clearances. Strojnicki Vestnik/Journal of Mechanical Engineering, 0, , .	1.1	0