Gilles Noguere

List of Publications by Year
in descending order

54 papers	2,558 citations	567281 15 h-index	197818 49 g-index
63 all docs	63 docs citations	63 times ranked	1534 citing authors

#	Article	IF	Citations
1	ENDF/B-VIII.0: The 8 th Major Release of the Nuclear Reaction Data Library with CIELO-project Cross Sections, New Standards and Thermal Scattering Data. Nuclear Data Sheets, 2018, 148, 1-142.	2.2	1,324
2	The joint evaluated fission and fusion nuclear data library, JEFF-3.3. European Physical Journal A, 2020, 56, 1.	2.5	318
3	Evaluation of the Neutron Data Standards. Nuclear Data Sheets, 2018, 148, 143-188.	2.2	159
4	CIELO Collaboration Summary Results: International Evaluations of Neutron Reactions on Uranium, Plutonium, Iron, Oxygen and Hydrogen. Nuclear Data Sheets, 2018, 148, 189-213.	2.2	73
5	IAEA CIELO Evaluation of Neutron-induced Reactions on 235 U and 238 U Targets. Nuclear Data Sheets, 2018, 148, 254-292.	2.2	33
6	Retroactive Generation of Covariance Matrix of Nuclear Model Parameters Using Marginalization Techniques. Nuclear Science and Engineering, 2010, 166, 276-287.	1.1	31
7	A Monte Carlo Approach to Nuclear Model Parameter Uncertainties Propagation. Nuclear Science and Engineering, 2009, 161, 363-370.	1.1	27
8	Neutron capture and total cross sections ofI127andI129. Physical Review C, 2006, 74, .	2.9	25
9	Analysis of the PROFIL and PROFIL-2 Sample Irradiation Experiments in PhÃ©nix for JEFF-3.1 Nuclear Data Validation. Nuclear Science and Engineering, 2008, 160, 232-241.	1.1	25
10	Interpretation of Fission Product Oscillations in the MINERVE Reactor, from Thermal to Epithermal Spectra. Nuclear Science and Engineering, 2011, 169, 229-244.	1.1	21
11	Assessment and Propagation of the237Np Nuclear Data Uncertainties in Integral Calculations by Monte Carlo Techniques. Nuclear Science and Engineering, 2008, 160, 108-122.	1.1	19
12	Interpretation of PERLE Experiment for the Validation of Iron Nuclear Data Using Monte Carlo Calculations. Nuclear Science and Engineering, 2010, 166, 89-106.	1.1	19
13	Evaluation of Cross Section Uncertainties Using Physical Constraints: Focus on Integral Experiments. Nuclear Data Sheets, 2015, 123, 178-184.	2.2	18
14	Zero Variance Penalty Model for the Generation of Covariance Matrices in Integral Data Assimilation Problems. Nuclear Science and Engineering, 2012, 172, 164-179.	1.1	15
15	HPRL â€“ International cooperation to identify and monitor priority nuclear data needs for nuclear applications. EPJ Web of Conferences, 2020, 239, 15005.	0.3	15
16	Resonance parameter and covariance evaluation for¹⁶O up to 6â€‰MeV. EPJ Nuclear Sciences & Technologies, 2016, 2, 43.	0.7	14
17	Average neutron parameters for hafnium. Nuclear Physics A, 2009, 831, 106-136.	1.5	13
18	The Resolution Function in Neutron Time-of-Flight Experiments. Journal of Nuclear Science and Technology, 2002, 39, 685-688.	1.3	12

#	ARTICLE	IF	CITATIONS
19	Average radiation widths of levels in natural xenon isotopes. Nuclear Physics A, 2011, 870-871, 131-158.	1.5	12
20	Impact of the thermal scattering law of H in H₂O on the isothermal temperature reactivity coefficients for UOX and MOX fuel lattices in cold operating conditions. EPJ Nuclear Sciences & Technologies, 2016, 2, 28.	0.7	12
21	Evaluation of Neutron-induced Cross Sections and their Related Covariances with Physical Constraints. Nuclear Data Sheets, 2018, 148, 383-419.	2.2	12
22	Generalization of the SPRT Method for the Modeling of the Neutron Cross Sections in the Unresolved Resonance Range. Nuclear Science and Engineering, 2009, 162, 76-86.	1.1	11
23	Modeling of the<i>n</i>+²⁴²Pu Reactions for Fast Reactor Applications. Nuclear Science and Engineering, 2009, 162, 178-191.	1.1	10
24	Partial-wave analysis ofn+Am241reaction cross sections in the resonance region. Physical Review C, 2015, 92, .	2.9	10
25	Interpretation of pile-oscillation measurements by the integral data assimilation technique. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 629, 288-295.	1.6	9
26	Covariance matrices of the hydrogen neutron cross sections bound in light water for the JEFF-3.1.1 neutron library. Annals of Nuclear Energy, 2017, 104, 132-145.	1.8	9
27	107Ag and 109Ag resonance parameters for neutron induced reactions below 1â€‰keV. Nuclear Instruments & Methods in Physics Research B, 2019, 446, 19-28.	1.4	9
28	CONRAD â€“ a code for nuclear data modeling and evaluation. EPJ Nuclear Sciences & Technologies, 2021, 7, 10.	0.7	9
29	A nuclear data oriented interface code for processing applications. Annals of Nuclear Energy, 2008, 35, 2259-2269.	1.8	7
30	New ⁵⁶Fe Covariances for the JEFF3 File from the Feedback of Integral Benchmark Analysis. Nuclear Science and Engineering, 2010, 166, 267-275.	1.1	7
31	Generation of238U Covariance Matrices by Using the Integral Data Assimilation Technique of the CONRAD Code. EPJ Web of Conferences, 2016, 106, 04015.	0.3	7
32	Temperature-dependent dynamic structure factors for liquid water inferred from inelastic neutron scattering measurements. Journal of Chemical Physics, 2021, 155, 024502.	3.0	7
33	Neutron average cross sections ofNp237. Physical Review C, 2010, 81, .	2.9	6
34	Generation of the¹H in H₂O neutron thermal scattering law covariance matrix of the CAB model. EPJ Nuclear Sciences & Technologies, 2018, 4, 32.	0.7	6
35	Average neutron cross sections of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Tc</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>99</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2020, 102, .	2.9	6
36	The Use of Nuclear Data as Nuisance Parameters in the Integral Data Assimilation of the PROFIL Experiments. Nuclear Science and Engineering, 2016, 182, 377-393.	1.1	5

#	Article	IF	Citations
37	Measurement of double differential cross-section of light water at high temperature and pressure to generate S(Î±,Î²). EPJ Web of Conferences, 2017, 146, 13006.	0.3	5
38	Doppler broadening of neutron-induced resonances using ab initio phonon spectrum. European Physical Journal Plus, 2018, 133, 1.	2.6	5
39	Evaluation of neutron induced reactions on 56Fe with CONRAD. EPJ Web of Conferences, 2020, 239, 11005.	0.3	5
40	Measurements of the effective cumulative fission yields of143Nd,145Nd,146Nd,148Nd and150Nd for235U in the PHENIX fast reactor. EPJ Nuclear Sciences & Technologies, 2016, 2, 32.	0.7	4
41	Nuclear data adjustment based on the interpretation of post-irradiation experiments with the DARWIN2.3 package. EPJ Nuclear Sciences & Technologies, 2018, 4, 47.	0.7	4
42	Neutron resonance transmission analysis of cylindrical samples used for reactivity worth measurements. Journal of Radioanalytical and Nuclear Chemistry, 2019, 321, 519-530.	1.5	4
43	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>s</mml:mi></mml:math> -wave average neutron resonance parameters of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Lu</mml:mi><mml:mprescripts /><mml:none /><mml:mn>175</mml:mn></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mi>n</mml:mi></mml:mrow></mml:math>. Physical Review C, 2019, 100, .	2.9	4
44	Non-destructive analysis of samples with a complex geometry by NRTA. Journal of Analytical Atomic Spectrometry, 2020, 35, 478-488.	3.0	4
45	Fission Product Cross Section Evaluations using Integral Experiments. Journal of the Korean Physical Society, 2011, 59, 1343-1346.	0.7	4
46	Experimental Tests of the Crystal Lattice Model of the R-Matrix Code SAMMY. AIP Conference Proceedings, 2005, , .	0.4	3
47	Improving nuclear data accuracy of 241Am and 237Np capture cross sections. EPJ Web of Conferences, 2017, 146, 11035.	0.3	3
48	Combining density functional theory and Monte Carlo neutron transport calculations to study the phonon density of states of UO2 up to 1675ÂK by inelastic neutron scattering. Physical Review B, 2020, 102, .	3.2	3
49	Atomic scale Monte-Carlo simulations of neutron diffraction experiments on stoichiometric uranium dioxide up to 1664 K. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1002, 165251.	1.6	3
50	Feedback on²³⁹Pu and²⁴⁰Pu nuclear data and associated covariances through the CERES integral experiments. Journal of Nuclear Science and Technology, 2015, 52, 1044-1052.	1.3	2
51	Improved Mixed Oxide Fuel Calculations with the Evaluated Nuclear Data Library JEFF-3.2. Nuclear Science and Engineering, 2016, 182, 135-150.	1.1	2
52	Systematics of Nd cumulative fission yields for neutron-induced fission of 235U, 238U, 238Pu, 239Pu, 240Pu and 241Pu. European Physical Journal Plus, 2018, 133, 1.	2.6	2
53	Generation of thermal scattering files with the CINEL code. EPJ Nuclear Sciences & Technologies, 2022, 8, 8.	0.7	2
54	Group-average covariance matrices for the hafnium isotopes of interest for light water reactor applications. Annals of Nuclear Energy, 2009, 36, 1059-1069.	1.8	1