# Mihaela Sin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3869293/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 20 papers | 3,666 citations | 623734 14 h-index | 794594 19 g-index |
| 20 all docs | 20 docs citations | 20 times ranked | 2272 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 | RIPL â€“ Reference Input Parameter Library for Calculation of Nuclear Reactions and Nuclear Data Evaluations. Nuclear Data Sheets, 2009, 110, 3107-3214. | 2.2 | 1,119 |
| 3 | EMPIRE: Nuclear Reaction Model Code System for Data Evaluation. Nuclear Data Sheets, 2007, 108, 2655-2715. | 2.2 | 630 |
| 4 | Towards a prediction of fission cross sections on the basis of microscopic nuclear inputs. Physical Review C, 2009, 79, . | 2.9 | 108 |
| 5 | IAEA Photonuclear Data Library 2019. Nuclear Data Sheets, 2020, 163, 109-162. | 2.2 | 85 |
| 6 | 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 |
| 7 | Fission of light actinides:Th232(n,f) andPa231(n,f) reactions. Physical Review C, 2006, 74, . | 2.9 | 70 |
| 8 | Perspectives for photonuclear research at the Extreme Light Infrastructure - Nuclear Physics (ELI-NP) facility. European Physical Journal A, 2015, 51, 1. | 2.5 | 56 |
| 9 | Exploring the multihumped fission barrier of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>238</mml:mn></mml:msup></mml:math>U via sub-barrier photofission. Physical Review C, 2013, 87, . | 2.9 | 40 |
| 10 | IAEA CIELO Evaluation of Neutron-induced Reactions on 235 U and 238 U Targets. Nuclear Data Sheets, 2018, 148, 254-292. | 2.2 | 33 |
| 11 | Transmission through multi-humped fission barriers with absorption: A recursive approach. Physical Review C, 2008, 77, . | 2.9 | 26 |
| 12 | Extended optical model for fission. Physical Review C, 2016, 93, . | 2.9 | 22 |
| 13 | Cross sections of the reaction<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Pa</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>231</mml:mn></mml:mrow></mml:mmultiscripts><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mi>d</mml:mi><mml:mo>,</mml:mo><mml:mn>3</mml:mn><mml:mi>n</mml:mi><mml:mo) Tj ET mathvariant="normal">U</m | 2.9 | 21 |
| 14 | Modelling Neutron-induced Reactions on 232â€“237U from 10 keV up to 30 MeV. Nuclear Data Sheets, 2017, 139, 138-170. | 2.2 | 18 |
| 15 | Elastic and inelastic scattering of neutrons on238U nucleus. EPJ Web of Conferences, 2014, 69, 00008. | 0.3 | 14 |
| 16 | Cross-section measurements for theFe57(n,nÎ³)Fe57andFe57(n,2nÎ³)Fe56reactions. Physical Review C, 2017, 96, . | 2.9 | 10 |
| 17 | Modeling photon-induced reactions on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>233</mml:mn><mml:mo>â€“</mml:mo><mml:mn>238</mml:mn></mml:mrow></mml:mmultiscripts></m actinide targets. Physical Review C, 2021, 103, . | 2.9 | 9 |
| 18 | Inter-comparison of Hauser-Feshbach model codes toward better actinide evaluations. EPJ Web of Conferences, 2017, 146, 12034. | 0.3 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | ment and modeling of the cross sections for the reaction<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow | | |