

# Michael Y Hua

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8417075/publications.pdf>

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Neutron Multiplicity Counting Moments for Fissile Mass Estimation in Scatter-Based Neutron Detection Systems. Nuclear Science and Engineering, 2017, 188, 246-269.	1.1	18
2	Rossi-alpha measurements of fast plutonium metal assemblies using organic scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 959, 163507.	1.6	10
3	An Artificial Neural Network System for Photon-Based Active Interrogation Applications. IEEE Access, 2021, 9, 119871-119880.	4.2	8
4	Derivation of the Two-Exponential Probability Density Function for Rossi-Alpha Measurements of Reflected Assemblies and Validation for the Special Case of Shielded Measurements. Nuclear Science and Engineering, 2020, 194, 56-68.	1.1	7
5	Measurement uncertainty of rossi-alpha neutron experiments. Annals of Nuclear Energy, 2020, 147, 107672.	1.8	6
6	Validation of the two-region Rossi-alpha model for reflected assemblies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 981, 164535.	1.6	5
7	On the Feynman-alpha method for reflected fissile assemblies. Annals of Nuclear Energy, 2021, 155, 108082.	1.8	2
8	Simulation of the Nondestructive Assay of $^{237}\text{Np}$ Using Active Neutron Multiplicity Counting. Nuclear Science and Engineering, 2020, 194, 154-162.	1.1	0