

# Tomohiro Kobayashi

## List of Publications by Year in descending order

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12  
papers

181  
citations

1478505

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1199594

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12  
docs citations

12  
times ranked

106  
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiation field characterization with emphasis on the collimator configuration at the compact neutron source RANS-II facility. Journal of Nuclear Science and Technology, 2023, 60, 110-123.	1.3	1
2	Investigation of Dose Rate Distribution in an Experimental Hall of a RIKEN Accelerator-Driven Compact Neutron Source Based on the $^9\text{Be}(p, n)$ Reaction With 7 MeV Proton Injection. IEEE Transactions on Nuclear Science, 2022, 69, 118-125.	2.0	1
3	Hybrid Organic-Inorganic Perovskite Semiconductor-Based High-Flux Neutron Detector with BN Converter. ACS Applied Electronic Materials, 2022, 4, 3411-3420.	4.3	4
4	Surface layer of Pt-O-Ce bonds on CeO <sub>x</sub> nanowire with high ORR activity converted by proton beam irradiation. Journal of the American Ceramic Society, 2021, 104, 1945-1952.	3.8	6
5	Completion of a new accelerator-driven compact neutron source prototype RANS-II for on-site use. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 994, 165091.	1.6	18
6	Study on the edge-cooling target structure for transportable accelerator-driven neutron source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1017, 165793.	1.6	3
7	Design of 500-MHz RFQ linear accelerator for a compact neutron source, RANS-III. Nuclear Instruments & Methods in Physics Research B, 2019, 461, 186-190.	1.4	11
8	A function to provide neutron spectrum produced from the $^9\text{Be} + p$ reaction with protons of energy below 12 MeV. Journal of Nuclear Science and Technology, 2018, 55, 859-867.	1.3	15
9	Metallic particle formation by MeV proton irradiation in liquid. Surface and Coatings Technology, 2017, 331, 206-210.	4.8	1
10	Surface modification of polymers by ion irradiation at the solid-liquid interface. Nuclear Instruments & Methods in Physics Research B, 2012, 272, 405-408.	1.4	15
11	Glass capillary optics for producing nanometer sized beams and its applications. Surface and Coatings Technology, 2011, 206, 859-863.	4.8	31
12	Ion irradiation in liquid of $\frac{1}{4}\text{m}^3$ region for cell surgery. Applied Physics Letters, 2008, 92, .	3.3	75