

# Natko Skukan

## List of Publications by Year in descending order

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16  
papers

254  
citations

1040056

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996975

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g-index

16  
all docs

16  
docs citations

16  
times ranked

283  
citing authors

#	ARTICLE	IF	CITATIONS
1	New capabilities of the Zagreb ion microbeam system. Nuclear Instruments & Methods in Physics Research B, 2007, 260, 114-118.	1.4	88
2	Continuous observation of polarization effects in thin SC-CVD diamond detector designed for heavy ion microbeam measurement. Nuclear Instruments & Methods in Physics Research B, 2014, 331, 113-116.	1.4	25
3	An ultra-thin diamond membrane as a transmission particle detector and vacuum window for external microbeams. Applied Physics Letters, 2013, 103, .	3.3	22
4	Investigation with $\hat{I}^2$ -particles and protons of buried graphite pillars in single-crystal CVD diamond. Diamond and Related Materials, 2018, 84, 1-10.	3.9	19
5	scCVD Diamond Membrane based Microdosimeter for Hadron Therapy. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800383.	1.8	19
6	The evaluation of radiation damage parameter for CVD diamond. Nuclear Instruments & Methods in Physics Research B, 2016, 372, 161-164.	1.4	17
7	Electronic Properties of a Synthetic Single-Crystal Diamond Exposed to High Temperature and High Radiation. Materials, 2020, 13, 2473.	2.9	17
8	Enhanced radiation hardness and signal recovery in thin diamond detectors. AIP Advances, 2019, 9, .	1.3	12
9	Charge multiplication effect in thin diamond films. Applied Physics Letters, 2016, 109, .	3.3	11
10	Transient current induced in thin film diamonds by swift heavy ions. Diamond and Related Materials, 2017, 75, 161-168.	3.9	7
11	Charge transport in single crystal CVD diamond studied at high temperatures. Journal Physics D: Applied Physics, 2021, 54, 465103.	2.8	7
12	Characterization of ion beam induced polarization in scCVD diamond detectors using a microbeam probe. Nuclear Instruments & Methods in Physics Research B, 2021, 504, 21-32.	1.4	5
13	C12 states populated in B10+B10 reactions. Physical Review C, 2019, 99, .	2.9	3
14	Three-dimensional imaging of carbon using an elastic scattering coincidence technique. Journal of Applied Physics, 2009, 105, .	2.5	1
15	CVD diamond as a position sensitive detector using charge carrier transition time. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 186-190.	1.4	1
16	Charge Collection Characteristics of A Super-Thin Diamond Membrane Detector Measured With High-Energy Heavy Ions. IEEE Transactions on Nuclear Science, 2014, 61, 3732-3738.	2.0	0