

# Shinichi Shikata

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

375  
citations

1163117

8  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

462  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single crystal diamond wafers for high power electronics. <i>Diamond and Related Materials</i> , 2016, 65, 168-175.	3.9	141
2	Large-area high-quality single crystal diamond. <i>MRS Bulletin</i> , 2014, 39, 504-510.	3.5	88
3	A nitrogen doped low-dislocation density free-standing single crystal diamond plate fabricated by a lift-off process. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	34
4	High temperature switching operation of a power diamond Schottky barrier diode. <i>IEICE Electronics Express</i> , 2012, 9, 1835-1841.	0.8	31
5	Effect of crystalline quality of diamond film to the propagation loss of surface acoustic wave devices. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2005, 52, 1817-1822.	3.0	22
6	Influence of threading dislocations on diamond Schottky barrier diode characteristics. <i>Diamond and Related Materials</i> , 2020, 109, 108024.	3.9	15
7	Dislocation analysis of homoepitaxial diamond (001) film by x-ray topography. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 045503.	1.5	12
8	Friction Modification by Shifting of Phonon Energy Dissipation in Solid Atoms. <i>Tribology Online</i> , 2015, 10, 156-161.	0.9	9
9	Dislocation Analysis of p Type and Insulating HPHT Diamond Seed Crystals. <i>Materials Science Forum</i> , 0, 924, 208-211.	0.3	7
10	Evaluation of diamond mosaic wafer crystallinity by electron backscatter diffraction. <i>Diamond and Related Materials</i> , 2020, 101, 107558.	3.9	5
11	Dislocation Vector Analysis Method of Deep Dislocation Having C-Axis Segment in Diamond. <i>Materials Science Forum</i> , 0, 1004, 519-524.	0.3	5
12	Evaluation of growth sector orientation changes of high B doped high pressure and high temperature diamond by high resolution electron backscatter diffraction study. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 065504.	1.5	3
13	Intrinsic exciton transitions of isotopically purified <sup>13</sup> C studied by photoluminescence and transmission spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2020, 59, 010903.	1.5	2
14	Forbidden X-ray diffraction of highly B doped diamond substrate. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 071002.	1.5	1