

Hitoshi Sumiya

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2773133/publications.pdf>

Version: 2024-02-01

158
papers

7,640
citations

66234

42
h-index

54797

84
g-index

160
all docs

160
docs citations

160
times ranked

6337
citing authors

#	ARTICLE	IF	CITATIONS
19	High-resolution spectroscopy of single nuclear spins via sequential weak measurements. Nature Communications, 2019, 10, 594.	5.8	60
20	Compact integrated magnetometer based on nitrogen-vacancy centres in diamond. Diamond and Related Materials, 2019, 93, 59-65.	1.8	56
21	Solid-state electron spin lifetime limited by phononic vacuum modes. Nature Materials, 2018, 17, 313-317.	13.3	53
22	The luminescence emitted from the type Ib and IIa diamonds under the SiO ₂ polishing process. Diamond and Related Materials, 2018, 83, 104-108.	1.8	2
23	On the improvement of subsurface quality of CaF ₂ single crystal machined by boron-doped nano-polycrystalline diamond tools. Precision Engineering, 2018, 52, 73-83.	1.8	16
24	Crystalline quality distributions of the type IIa diamond substrate and the CVD diamond layer processed by chemical mechanical polishing using a SiO ₂ wheel. Japanese Journal of Applied Physics, 2018, 57, 105503.	0.8	4
25	Superradiant emission from colour centres in diamond. Nature Physics, 2018, 14, 1168-1172.	6.5	106
26	Loop-gap microwave resonator for hybrid quantum systems. Applied Physics Letters, 2018, 112, .	1.5	15
27	Enhancing fluorescence excitation and collection from the nitrogen-vacancy center in diamond through a micro-concave mirror. Applied Physics Letters, 2018, 113, 041107.	1.5	17
28	Critical Thermalization of a Disordered Dipolar Spin System in Diamond. Physical Review Letters, 2018, 121, 023601.	2.9	107
29	Note: Evaluation of microfracture strength of diamond materials using nano-polycrystalline diamond spherical indenter. Review of Scientific Instruments, 2018, 89, 056102.	0.6	4
30	Observation of discrete time-crystalline order in a disordered dipolar many-body system. Nature, 2017, 543, 221-225.	13.7	689
31	Depolarization Dynamics in a Strongly Interacting Solid-State Spin Ensemble. Physical Review Letters, 2017, 118, 093601.	2.9	86
32	Micro milling tool made of nano-polycrystalline diamond for precision cutting of SiC. CIRP Annals - Manufacturing Technology, 2017, 66, 93-96.	1.7	20
33	Nanoscale nuclear magnetic resonance with chemical resolution. Science, 2017, 357, 67-71.	6.0	240
34	Formation of stacking fault and dislocation behavior during the high-temperature annealing of single-crystal HPHT diamond. Diamond and Related Materials, 2017, 75, 155-160.	1.8	20
35	Nonvolatile nuclear spin memory enables sensor-unlimited nanoscale spectroscopy of small spin clusters. Nature Communications, 2017, 8, 834.	5.8	53
36	Novel superhard nanopolycrystalline materials synthesized by direct conversion sintering under high pressure and high temperature. MRS Bulletin, 2017, 42, 729-733.	1.7	15

#	ARTICLE	IF	CITATIONS
37	Behavior of crystal defects in synthetic type-IIa single-crystalline diamond at high temperatures under normal pressure. <i>Journal of Crystal Growth</i> , 2017, 458, 27-30.	0.7	13
38	Determination of partial dislocations of stacking fault in (111) single crystal diamond grown on (111) seed crystal by synchrotron X-ray topography. <i>Journal of Crystal Growth</i> , 2017, 468, 439-442.	0.7	7
39	Linear machining technique using nanosecond pulsed laser for forming single-point cutting tool made of nano-polycrystalline diamond. <i>Transactions of the JSME (in Japanese)</i> , 2017, 83, 16-00573-16-00573.	0.1	2
40	Optical properties of ultrapure nano-polycrystalline diamond. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 120306.	0.8	18
41	Collective strong coupling with homogeneous Rabi frequencies using a 3D lumped element microwave resonator. <i>Applied Physics Letters</i> , 2016, 109, 033508.	1.5	27
42	Elastic constant C ₁₁ of 12C diamond between 10 and 613 K. <i>Applied Physics Letters</i> , 2016, 108, 221902.	1.5	6
43	Optically induced dynamic nuclear spin polarisation in diamond. <i>New Journal of Physics</i> , 2016, 18, 013040.	1.2	65
44	Towards a spin-ensemble quantum memory for superconducting qubits. <i>Comptes Rendus Physique</i> , 2016, 17, 693-704.	0.3	34
45	High wear-resistance characteristic of boron-doped nano-polycrystalline diamond on optical glass. <i>Diamond and Related Materials</i> , 2016, 70, 7-11.	1.8	16
46	Applications of nano-polycrystalline diamond anvils to X-ray absorption spectroscopy under high pressure. <i>High Pressure Research</i> , 2016, 36, 381-390.	0.4	16
47	Ultrathin fiber-taper coupling with nitrogen vacancy centers in nanodiamonds at cryogenic temperatures. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
48	Polishing mechanism and surface damage analysis of type IIa single crystal diamond processed by mechanical and chemical polishing methods. <i>Diamond and Related Materials</i> , 2016, 63, 80-85.	1.8	32
49	Determination of the type of stacking faults in single-crystal high-purity diamond with a low dislocation density of $< \lt; 50 \text{ cm}^{-2} >$ by synchrotron X-ray topography. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 040303.	0.8	13
50	Subpicotesla Diamond Magnetometry. <i>Physical Review X</i> , 2015, 5, .	2.8	279
51	Optically Detected Magnetic Resonance of Nanodiamonds & In Vivo; Implementation of Selective Imaging and Fast Sampling. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 1014-1021.	0.9	18
52	Ultrathin fiber-taper coupling with nitrogen vacancy centers in nanodiamonds at cryogenic temperatures. <i>Optics Letters</i> , 2015, 40, 5702.	1.7	26
53	Single spin optically detected magnetic resonance with 60–90 GHz (E-band) microwave resonators. <i>Review of Scientific Instruments</i> , 2015, 86, 064704.	0.6	26
54	HPHT synthesis and crystalline quality of large high-quality (001) and (111) diamond crystals. <i>Diamond and Related Materials</i> , 2015, 58, 221-225.	1.8	39

#	ARTICLE	IF	CITATIONS
55	All-Optical Initialization, Readout, and Coherent Preparation of Single Silicon-Vacancy Spins in Diamond. <i>Physical Review Letters</i> , 2014, 113, 263602.	2.9	216
56	Nanopolycrystalline Diamond without Binder and its Application to Various High-Pressure Apparatus. , 2014, , 173-191.		8
57	Elasticity and hardness of nano-polycrystalline boron nitrides: The apparent Hall-Petch effect. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	17
58	Multimode Storage and Retrieval of Microwave Fields in a Spin Ensemble. <i>Physical Review X</i> , 2014, 4, .	2.8	77
59	Electronic structure of the negatively charged silicon-vacancy center in diamond. <i>Physical Review B</i> , 2014, 89, .	1.1	175
60	HPHT Synthesis of Large, High-Quality, Single Crystal Diamonds. , 2014, , 195-215.		5
61	Mechanical properties of nano-polycrystalline cBN synthesized by direct conversion sintering under HPHT. <i>Diamond and Related Materials</i> , 2014, 41, 14-19.	1.8	37
62	Cutting Performance of Binder-Less Nano-Polycrystalline cBN Tool. <i>Advanced Materials Research</i> , 2014, 1017, 389-392.	0.3	4
63	Synchrotron X-ray topography of dislocations in high-pressure high-temperature-grown single-crystal diamond with low dislocation density. <i>Applied Physics Express</i> , 2014, 7, 125501.	1.1	30
64	Real indentation hardness of nano-polycrystalline cBN synthesized by direct conversion sintering under HPHT. <i>Diamond and Related Materials</i> , 2014, 48, 47-51.	1.8	30
65	μ transition pathway of iron under quasihydrostatic pressure conditions. <i>Physical Review B</i> , 2014, 90, .	1.1	11
66	Development of Novel Diamond/cBN Materials via Ultra-high Pressure and High Temperature. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2014, 61, 349-354.	0.1	0
67	Observation of higher stiffness in nanopolycrystal diamond than monocrystal diamond. <i>Nature Communications</i> , 2013, 4, 2343.	5.8	68
68	High-Precision Nanoscale Temperature Sensing Using Single Defects in Diamond. <i>Nano Letters</i> , 2013, 13, 2738-2742.	4.5	572
69	Elastic constants of cubic and wurtzite boron nitrides. <i>Applied Physics Letters</i> , 2013, 102, 241909.	1.5	52
70	Nanolayered Diamond Sintered Compact Obtained by Direct Conversion from Highly Oriented Graphite under High Pressure and High Temperature. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-6.	1.5	32
71	Dry Grinding of Nano-Polycrystalline Diamond Using Thermochemical Reaction. <i>Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C</i> , 2013, 79, 4513-4523.	0.2	4
72	Large Defect-Free Synthetic Type IIa Diamond Crystals Synthesized via High Pressure and High Temperature. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 090102.	0.8	44

#	ARTICLE	IF	CITATIONS
73	Magnetic EXAFS study of Fe-Ni invar alloy under high pressure using nano-polycrystalline diamond anvils. <i>Journal of Physics: Conference Series</i> , 2012, 377, 012039.	0.3	2
74	Development of Indentation Tester for the Evaluation of Adhesion Properties of Diamond Films. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2012, 63, 764-768.	0.1	0
75	Glitch-free X-ray absorption spectrum under high pressure obtained using nano-polycrystalline diamond anvils. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 768-772.	1.0	88
76	Electron spin resonance detected by a superconducting qubit. <i>Physical Review B</i> , 2012, 86, .	1.1	35
77	Wear resistance of nano-polycrystalline diamond with various hexagonal diamond contents. <i>Journal of Superhard Materials</i> , 2012, 34, 343-349.	0.5	13
78	Real-Time Background-Free Selective Imaging of Fluorescent Nanodiamonds in Vivo. <i>Nano Letters</i> , 2012, 12, 5726-5732.	4.5	177
79	Distinctive mechanical properties of nano-polycrystalline diamond synthesized by direct conversion sintering under HPHT. <i>Diamond and Related Materials</i> , 2012, 24, 44-48.	1.8	91
80	Cutting performance of nano-polycrystalline diamond. <i>Diamond and Related Materials</i> , 2012, 24, 78-82.	1.8	64
81	High-Pressure Synthesis and Properties of Nano-Polycrystalline Super-Hard Materials. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2012, 22, 121-128.	0.1	0
82	Influence of graphite crystallinity on the microtexture of nano-polycrystalline diamond obtained by direct conversion. <i>Physics and Chemistry of Minerals</i> , 2012, 39, 543-552.	0.3	31
83	Synthesis of Super-Hard Materials by Direct Conversion Sintering under High Pressure and High Temperature and Their Mechanical Properties. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2012, 61, 412-418.	0.1	1
84	Large Defect-Free Synthetic Type IIa Diamond Crystals Synthesized via High Pressure and High Temperature. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 090102.	0.8	74
85	Practical Development of Binderless Nano-polycrystalline Diamond. <i>Journal of the Japan Society for Precision Engineering</i> , 2012, 78, 108-111.	0.0	0
86	Episode 1. <i>Journal of the Japan Society for Precision Engineering</i> , 2012, 78, 122-123.	0.0	0
87	Note: High-pressure generation using nano-polycrystalline diamonds as anvil materials. <i>Review of Scientific Instruments</i> , 2011, 82, 066104.	0.6	27
88	Application of Nano-Polycrystalline Diamond (NPD) to DAC. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2011, 21, 285-291.	0.1	1
89	Synthesis of Nano-Polycrystalline Diamond (NPD) and Its Application to Ultrahigh-Pressure Studies. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2011, 21, 278-284.	0.1	1
90	OS02-2-5 Picosecond Ultrasound Spectroscopy for High Purity Boron Nitrides. <i>The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics</i> , 2011, 2011.10, _OS02-2-5-.	0.0	0

#	ARTICLE	IF	CITATIONS
91	Noncollinear Spin Structure in Fe-Ni Invar Alloy Probed by Magnetic EXAFS at High Pressure. Journal of the Physical Society of Japan, 2011, 80, 023709.	0.7	21
92	Thermochemical Reactions between Nano-Polycrystalline Diamond and Grinding Tool Made of Polycrystalline Diamond. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2011, 77, 4704-4717.	0.2	1
93	Hybrid Quantum Circuit with a Superconducting Qubit Coupled to a Spin Ensemble. Physical Review Letters, 2011, 107, 220501.	2.9	335
94	Wear Characteristics of Various Diamond Tools in Cutting of Tungsten Carbide. Advanced Materials Research, 2011, 325, 153-158.	0.3	2
95	Synthesis of diamonds by a high temperature/high pressure process. Tanso, 2011, 2011, 218-225.	0.1	0
96	OS02F023 Picosecond Ultrasound Spectroscopy for High Purity Boron Nitrides. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, _OS02F023-_OS02F023-.	0.0	0
97	Lowering P, T boundary for synthesis of pure nano-polycrystalline diamond. Journal of Physics: Conference Series, 2010, 215, 012136.	0.3	10
98	Laser heating in nano-polycrystalline diamond anvil cell. Journal of Physics: Conference Series, 2010, 215, 012192.	0.3	7
99	Microball Endmill Made of Nano-Polycrystalline Diamond(Machine Elements, Design and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Mechanical Engineers, Part C, 2010, 76, 768-776.	0.2	3
100	Novel Development of High-pressure Synthetic Diamond. Journal of the Japan Society for Precision Engineering, 2010, 76, 1319-1323.	0.0	1
101	Application of nano-polycrystalline diamond to laser-heated diamond anvil cell experiments. High Pressure Research, 2010, 30, 142-150.	0.4	21
102	Micro-/nanostructural investigation of laser-cut surfaces of single- and polycrystalline diamonds. Diamond and Related Materials, 2010, 19, 1040-1051.	1.8	43
103	Recent Advances in High Pressure Apparatus for Diamond Synthesis. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2009, 19, 264-269.	0.1	3
104	Density-dependent exciton kinetics in synthetic diamond crystals. Physical Review B, 2009, 80, .	1.1	21
105	Micromachining and surface processing of the super-hard nano-polycrystalline diamond by three types of pulsed lasers. Applied Physics A: Materials Science and Processing, 2009, 96, 833-842.	1.1	56
106	Optical Characteristics of Nano-Polycrystalline Diamond Synthesized Directly from Graphite under High Pressure and High Temperature. Japanese Journal of Applied Physics, 2009, 48, 120206.	0.8	23
107	Boron-doped diamond heater and its application to large-volume, high-pressure, and high-temperature experiments. Review of Scientific Instruments, 2009, 80, 023907.	0.6	41
108	Pulsed laser processing of nano-polycrystalline diamond: A comparative study with single crystal diamond. Diamond and Related Materials, 2009, 18, 877-880.	1.8	37

#	ARTICLE	IF	CITATIONS
109	High-pressure generation using high-purity synthetic type IIa diamond anvils. High Pressure Research, 2008, 28, 217-223.	0.4	3
110	Pressure generation in a 6-8-2 type multi-anvil system: a performance test for third-stage anvils with various diamonds. High Pressure Research, 2008, 28, 237-244.	0.4	25
111	Ultrahard diamond indenter prepared from nanopolycrystalline diamond. Review of Scientific Instruments, 2008, 79, 056102.	0.6	31
112	Characterization of boron-doped diamonds using ¹¹ B high-resolution NMR at high magnetic fields. Diamond and Related Materials, 2008, 17, 1835-1839.	1.8	6
113	Exploratory study of the new B-doped diamond heater at high pressure and temperature and its application to in situ XRD experiments on hydrous Mg-silicate melt. High Pressure Research, 2008, 28, 255-264.	0.4	16
114	Plastic deformation and optical behavior of high-purity synthetic diamond crystal subjected to high stress load at room temperature. Applied Physics Letters, 2008, 93, 101915.	1.5	10
115	Design of a high-temperature and high-pressure liquid flow cell for x-ray absorption fine structure measurements under catalytic reaction conditions. Review of Scientific Instruments, 2008, 79, 014101.	0.6	21
116	Multiple shock compression of diamond foils with a shaped laser pulse over 1 TPa. Journal of Physics: Conference Series, 2008, 112, 042023.	0.3	2
117	Development of Super-hard Nano-polycrystalline Diamond. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2008, 55, 575-581.	0.1	1
118	Generation of Multi-Megabar Pressure Using Nano-Polycrystalline Diamond Anvils. Japanese Journal of Applied Physics, 2007, 46, L640-L641.	0.8	34
119	Crystal Growth. , 2007, , 329-445.		1
120	Hardness and deformation microstructures of nano-polycrystalline diamonds synthesized from various carbons under high pressure and high temperature. Journal of Materials Research, 2007, 22, 2345-2351.	1.2	168
121	Conditions and mechanism of formation of nano-polycrystalline diamonds on direct transformation from graphite and non-graphitic carbon at high pressure and temperature. High Pressure Research, 2006, 26, 63-69.	0.4	68
122	Thermally activated deformation under Knoop indentations in super-hard directions of high-quality synthetic type-IIa diamond crystals. Diamond and Related Materials, 2006, 15, 1576-1579.	1.8	12
123	High Pressure Synthesis of High-Purity Polycrystalline Diamonds by Direct Conversion from Various Carbon Materials and their Characterization. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2006, 16, 207-215.	0.1	4
124	Formation Mechanism and Some Properties of Super-hard Nano-polycrystalline Diamond Synthesized by Direct Conversion Sintering. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2006, 53, 452-458.	0.1	4
125	High-Pressure Synthesis of High-Purity and High-Performance Diamond and cBN Ceramics. Advances in Science and Technology, 2006, 45, 885-892.	0.2	5
126	Microstructure and Mechanical Behaviors of Nano-polycrystalline Diamonds Synthesized by Direct Conversion Sintering under HPHT. Materials Research Society Symposia Proceedings, 2006, 987, 1.	0.1	1

#	ARTICLE	IF	CITATIONS
127	Deformation microstructure of high-quality synthetic diamond crystal subjected to Knoop indentation. Applied Physics Letters, 2006, 88, 161904.	1.5	22
128	Super-hard diamond indenter prepared from high-purity synthetic diamond crystal. Review of Scientific Instruments, 2005, 76, 026112.	0.6	30
129	Microstructure features of polycrystalline diamond synthesized directly from graphite under static high pressure. Journal of Materials Science, 2004, 39, 445-450.	1.7	112
130	Indentation hardness of nano-polycrystalline diamond prepared from graphite by direct conversion. Diamond and Related Materials, 2004, 13, 1771-1776.	1.8	109
131	Formation of pure polycrystalline diamond by direct conversion of graphite at high pressure and high temperature. Physics of the Earth and Planetary Interiors, 2004, 143-144, 593-600.	0.7	118
132	Ultrahard polycrystalline diamond from graphite. Nature, 2003, 421, 599-600.	13.7	676
133	Improvement of Properties in High-purity Polycrystalline cBN by Microstructure Management.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2003, 13, 24-30.	0.1	4
134	Charge density analysis of SiO ₂ under pressures over 50 GPa using a new diamond anvil cell for single-crystal structure analysis. Journal of Physics Condensed Matter, 2002, 14, 10545-10551.	0.7	9
135	Microstructure and Properties of High-purity Polycrystalline cBN.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2002, 49, 327-332.	0.1	4
136	Cutting performance of a binder-less sintered cubic boron nitride tool in the high-speed milling of gray cast iron. Journal of Materials Processing Technology, 2002, 127, 217-221.	3.1	34
137	Growth rate of high-quality large diamond crystals. Journal of Crystal Growth, 2002, 237-239, 1281-1285.	0.7	95
138	New diamond anvil cell for single-crystal analysis. Review of Scientific Instruments, 2001, 72, 1458.	0.6	39
139	Diamond radiation detector made of an ultrahigh-purity type IIa diamond crystal grown by high-pressure and high-temperature synthesis. Review of Scientific Instruments, 2001, 72, 1406.	0.6	9
140	Title is missing!. Journal of Materials Science, 2000, 35, 1181-1186.	1.7	115
141	Determination of metallic impurities in high-purity type IIa diamond grown by high-pressure and high-temperature synthesis using neutron activation analysis. Diamond and Related Materials, 2000, 9, 2019-2023.	1.8	7
142	Synthesis of polycrystalline diamond with new non-metallic catalyst under high pressure and high temperature. International Journal of Refractory Metals and Hard Materials, 1999, 17, 345-350.	1.7	20
143	Electron momentum distributions in elemental semiconductors probed by positrons. Physical Review B, 1998, 57, 12219-12228.	1.1	22
144	High-Quality Synthetic Diamond Crystals.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 960-965.	0.1	14

#	ARTICLE	IF	CITATIONS
145	<title>High-quality synthetic diamonds for the monochromator of synchrotron radiation beams</title>. , 1997, , .		8
146	Mechanical properties of synthetic type IIa diamond crystal. Diamond and Related Materials, 1997, 6, 1841-1846.	1.8	78
147	Crystalline perfection of high purity synthetic diamond crystal. Journal of Crystal Growth, 1997, 178, 485-494.	0.7	120
148	High-pressure synthesis of high-purity diamond crystal. Diamond and Related Materials, 1996, 5, 1359-1365.	1.8	193
149	p-n Junction diode by B-doped diamond heteroepitaxially grown on Si-doped c-BN. Diamond and Related Materials, 1994, 3, 1389-1392.	1.8	14
150	Growing Method of a Large Synthetic Diamond Single Crystal.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1993, 2, 315-320.	0.1	4
151	Pressure dependence of the optical-absorption edge of diamond. Physical Review B, 1991, 44, 12176-12179.	1.1	11
152	Reaction sintering of polycrystalline cubic boron nitride at high pressure and temperature.. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1989, 36, 752-755.	0.1	3
153	High pressure synthesis of cubic boron nitride from amorphous state. Materials Research Bulletin, 1983, 18, 1203-1207.	2.7	52
154	Cutting Performances of Nano-Polycrystalline Diamond. Key Engineering Materials, 0, 523-524, 105-108.	0.4	2
155	Performance of Newly Developed Single-Point Diamond Dresser in Terms of Cutting-Point Rake Angle. Advanced Materials Research, 0, 565, 205-210.	0.3	2
156	Effect of Cutting Fluid on Diamond Tool Life under Micro V-Groove Turning of Cobalt-Free Tungsten Carbide. Advanced Materials Research, 0, 1017, 181-186.	0.3	3
157	Wear Characteristics of Binder-Less Nano-Polycrystalline Diamond and Cubic Boron Nitride. Advanced Materials Research, 0, 1017, 406-410.	0.3	4
158	Novel Magnetic-Sensing Modalities with Nitrogen-Vacancy Centers in Diamond. , 0, , .		1