

# Timothy A Grotjohn

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8856593/publications.pdf>

Version: 2024-02-01

17  
papers

183  
citations

1039406

9  
h-index

1372195

10  
g-index

17  
all docs

17  
docs citations

17  
times ranked

203  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of substrate temperature and growth rate on the doping efficiency of single crystal boron doped diamond. <i>Diamond and Related Materials</i> , 2014, 49, 19-24.	1.8	35
2	Microwave-Plasma-Coupled Re-Ignition of Methane-and-Oxygen Mixture Under Auto-Ignition Temperature. <i>IEEE Transactions on Plasma Science</i> , 2011, 39, 3307-3313.	0.6	29
3	Microwave plasma-assisted etching of diamond. <i>Diamond and Related Materials</i> , 2008, 17, 717-721.	1.8	26
4	Comparison of a-C:H films deposited from methane-argon and acetylene-argon mixtures by electron cyclotron resonance-chemical vapor deposition discharges. <i>Diamond and Related Materials</i> , 2000, 9, 37-47.	1.8	20
5	Synthesis of boron-doped homoepitaxial single crystal diamond by microwave plasma chemical vapor deposition. <i>Diamond and Related Materials</i> , 2008, 17, 1320-1323.	1.8	18
6	Deposition of thick boron-doped homoepitaxial single crystal diamond by microwave plasma chemical vapor deposition. <i>Diamond and Related Materials</i> , 2009, 18, 704-706.	1.8	17
7	Fabrication of AlGaAs/GaAs/diamond heterojunctions for diamond-collector HBTs. <i>AIP Advances</i> , 2020, 10, .	0.6	11
8	Methods for modeling microwave plasma system stability. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2002, 20, 536-543.	0.9	9
9	Fabrication and characterization of a corner architecture Schottky barrier diode structure. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 2410-2417.	0.8	9
10	Hydrogenated amorphous carbon films deposited in an electron cyclotron resonance-chemical vapor deposition discharge reactor using acetylene. <i>Diamond and Related Materials</i> , 2000, 9, 654-657.	1.8	5
11	Toward Diamond-Collector Heterojunction Bipolar Transistors via grafted GaAs-Diamond n-p junction. , 2019, , .		2
12	Towards High-Power Multipliers Using Diamond Schottky Barrier Diodes. , 2021, , .		2
13	Special Issue on Plenary and Invited Papers From ICOPS 2006. <i>IEEE Transactions on Plasma Science</i> , 2007, 35, 125-126.	0.6	0
14	Computer Integrated Plasma Nano Manufacturing Workcell. , 2008, , .		0
15	Development of plasma integrated AFM nano manufacturing workcell. , 2009, , .		0
16	Self-consistent convective fluid model for moderate pressure microwave plasma-assisted chemical vapor deposition reactors. , 2013, , .		0
17	Progress on Preferential Etching and Phosphorus Doping of Single Crystal Diamond. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1634, 1.	0.1	0