

# Mehdi Naamoun

## List of Publications by Year in descending order

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11  
papers

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times ranked

317  
citing authors

#	ARTICLE	IF	CITATIONS
1	Etchâ€pit formation mechanism induced on HPHT and CVD diamond single crystals by H <sub>2</sub> /O <sub>2</sub> plasma etching treatment. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 1715-1720.	0.8	72
2	Improvement of dislocation density in thick CVD single crystal diamond films by coupling H <sub>2</sub> /O <sub>2</sub> plasma etching and chemoâ€mechanical or ICP treatment of HPHT substrates. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2264-2267.	0.8	45
3	Birefringence Microscopy of Unit Dislocations in Diamond. Crystal Growth and Design, 2014, 14, 5761-5766.	1.4	35
4	Growth strategy for controlling dislocation densities and crystal morphologies of single crystal diamond by using pyramidal-shape substrates. Diamond and Related Materials, 2013, 33, 71-77.	1.8	34
5	Reduction of dislocation densities in single crystal CVD diamond by using self-assembled metallic masks. Diamond and Related Materials, 2015, 58, 62-68.	1.8	29
6	Near-junction heat spreaders for hot spot thermal management of high power density electronic devices. Journal of Applied Physics, 2019, 126, .	1.1	17
7	Reactive ion etching of single crystal diamond by inductively coupled plasma: State of the art and catalog of recipes. Diamond and Related Materials, 2020, 108, 107839.	1.8	17
8	Seed Dabbling Method for the Growth of High-Quality Diamond on GaN. ACS Applied Materials & Interfaces, 2021, 13, 43516-43523.	4.0	13
9	Influence of surface misorientation of <sc>HPHT</sc> diamond substrates on crystal morphologies and threading dislocations propagation. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1985-1990.	0.8	12
10	H-Terminated Polycrystalline Diamond p-Channel Transistors on GaN-on-Silicon. IEEE Electron Device Letters, 2020, 41, 119-122.	2.2	12
11	Single crystal diamond gain mirrors for high performance vertical external cavity surface emitting lasers. Diamond and Related Materials, 2020, 104, 107744.	1.8	5