

Jerome A Cuenca

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Thick, Adherent Diamond Films on AlN with Low Thermal Barrier Resistance. ACS Applied Materials & Interfaces, 2019, 11, 40826-40834.	4.0	45
2	Crystalline Interlayers for Reducing the Effective Thermal Boundary Resistance in GaN-on-Diamond. ACS Applied Materials & Interfaces, 2020, 12, 54138-54145.	4.0	38
3	Microwave determination of sp ² carbon fraction in nanodiamond powders. Carbon, 2015, 81, 174-178.	5.4	32
4	Investigating the Broadband Microwave Absorption of Nanodiamond Impurities. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4110-4118.	2.9	22
5	Microwave absorption properties of CoGd substituted ZnFe ₂ O ₄ ferrites synthesized by co-precipitation technique. Ceramics International, 2018, 44, 5909-5914.	2.3	21
6	GaN-on-diamond technology platform: Bonding-free membrane manufacturing process. AIP Advances, 2020, 10, .	0.6	21
7	Microwave cavity perturbation of nitrogen doped nano-crystalline diamond films. Carbon, 2019, 145, 740-750.	5.4	19
8	Thermal stress modelling of diamond on GaN/III-Nitride membranes. Carbon, 2021, 174, 647-661.	5.4	19
9	Surface zeta potential and diamond growth on gallium oxide single crystal. Carbon, 2021, 181, 79-86.	5.4	18
10	Temperature Correction for Cylindrical Cavity Perturbation Measurements. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2153-2161.	2.9	15
11	Evaluating the coefficient of thermal expansion of additive manufactured AlSi10Mg using microwave techniques. Additive Manufacturing, 2019, 30, 100841.	1.7	15
12	Superconducting boron doped nanocrystalline diamond on boron nitride ceramics. Nanoscale, 2019, 11, 10266-10272.	2.8	11
13	Measurement Technique for Microwave Surface Resistance of Additive Manufactured Metals. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 189-197.	2.9	11
14	Microwave plasma modelling in clamshell chemical vapour deposition diamond reactors. Diamond and Related Materials, 2022, 124, 108917.	1.8	10
15	Microwave Permittivity of Trace sp ² Carbon Impurities in Sub-Micron Diamond Powders. ACS Omega, 2018, 3, 2183-2192.	1.6	7
16	Dielectric Spectroscopy of Hydrogen-Treated Hexagonal Boron Nitride Ceramics. ACS Applied Electronic Materials, 2020, 2, 1193-1202.	2.0	5
17	Corrections to "Temperature Correction for Cylindrical Cavity Perturbation Measurements" [Jun 17 2153-2161]. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 5078-5078.	2.9	1