

Jesus J Alcantar-Peña

List of Publications by Year in descending order

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7
papers

113
citations

1307594

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1720034

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docs citations

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115
citing authors

#	ARTICLE	IF	CITATIONS
1	Fundamentals towards large area synthesis of multifunctional Ultrananocrystalline diamond films via large area hot filament chemical vapor deposition bias enhanced nucleation/bias enhanced growth for fabrication of broad range of multifunctional devices. <i>Diamond and Related Materials</i> , 2017, 78, 1-11.	3.9	22
2	Argon atoms insertion in diamond: New insights in the identification of carbon C 1s peak in X-ray photoelectron spectroscopy analysis. <i>Carbon</i> , 2018, 134, 29-36.	10.3	20
3	Tailoring of polycrystalline diamond surfaces from hydrophilic to superhydrophobic via synergistic chemical plus micro-structuring processes. <i>Carbon</i> , 2018, 139, 361-368.	10.3	20
4	Polycrystalline diamond films with tailored micro/nanostructure/doping for new large area film-based diamond electronics. <i>Diamond and Related Materials</i> , 2019, 91, 261-271.	3.9	16
5	Afterglow, thermoluminescence and optically stimulated luminescence characterization of micro-, nano- and ultrananocrystalline diamond films grown on silicon by HFCVD. <i>Diamond and Related Materials</i> , 2018, 85, 117-124.	3.9	13
6	Science and technology of diamond films grown on HfO ₂ interface layer for transformational technologies. <i>Diamond and Related Materials</i> , 2016, 69, 221-228.	3.9	11
7	Study of Atomic Hydrogen Concentration in Grain Boundaries of Polycrystalline Diamond Thin Films. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3990.	2.5	11