

K Ganesan

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

591
citations

687363

13
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

977
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Direct microscopic evidence of shear induced graphitization of ultrananocrystalline diamond films. Carbon Trends, 2021, 4, 100078. | 3.0 | 1 |
| 2 | Structural, Raman and photoluminescence studies on nanocrystalline diamond films: Effects of ammonia in feedstock. Diamond and Related Materials, 2020, 106, 107872. | 3.9 | 6 |
| 3 | Dynamic friction behavior of ultrananocrystalline diamond films: A depth-resolved chemical phase analysis. Ceramics International, 2019, 45, 23418-23422. | 4.8 | 4 |
| 4 | Role of microstructure and structural disorder on tribological properties of polycrystalline diamond films. Applied Surface Science, 2019, 469, 10-17. | 6.1 | 27 |
| 5 | Si and N - Vacancy color centers in discrete diamond nanoparticles: Raman and fluorescence spectroscopic studies. Diamond and Related Materials, 2019, 92, 150-158. | 3.9 | 10 |
| 6 | Tribological Properties of Ultrananocrystalline Diamond Films in Inert and Reactive Tribo-Atmospheres: XPS Depth-Resolved Chemical Analysis. Journal of Physical Chemistry C, 2018, 122, 8602-8613. | 3.1 | 18 |
| 7 | The role of substrate bias and nitrogen doping on the structural evolution and local elastic modulus of diamond-like carbon films. Journal Physics D: Applied Physics, 2017, 50, 175601. | 2.8 | 9 |
| 8 | Tribofilm formation in ultrananocrystalline diamond film. Diamond and Related Materials, 2017, 78, 12-23. | 3.9 | 32 |
| 9 | Interpretation of friction and wear in DLC film: role of surface chemistry and test environment. Journal Physics D: Applied Physics, 2016, 49, 445302. | 2.8 | 26 |
| 10 | A comparative study on defect estimation using XPS and Raman spectroscopy in few layer nanographitic structures. Physical Chemistry Chemical Physics, 2016, 18, 22160-22167. | 2.8 | 136 |
| 11 | MnO ₂ -Vertical graphene nanosheets composite electrodes for energy storage devices. Materials Today: Proceedings, 2016, 3, 1686-1692. | 1.8 | 24 |
| 12 | Tribological behavior of hydrogenated DLC film: Chemical and physical transformations at nano-scale. Wear, 2015, 338-339, 105-113. | 3.1 | 25 |
| 13 | Influence of substrate on nucleation and growth of vertical graphene nanosheets. Applied Surface Science, 2015, 349, 576-581. | 6.1 | 67 |
| 14 | Flipping growth orientation of nanographitic structures by plasma enhanced chemical vapor deposition. RSC Advances, 2015, 5, 91922-91931. | 3.6 | 22 |
| 15 | Evolution and defect analysis of vertical graphene nanosheets. Journal of Raman Spectroscopy, 2014, 45, 642-649. | 2.5 | 109 |
| 16 | Pre- and post-breakdown electrical studies in ultrathin Al ₂ O ₃ films by conductive atomic force microscopy. Current Applied Physics, 2013, 13, 1865-1869. | 2.4 | 8 |
| 17 | Conductive atomic force microscopy studies on dielectric breakdown behavior of ultrathin Al ₂ O ₃ films. Applied Physics Letters, 2011, 98, . | 3.3 | 13 |
| 18 | Optical absorption and photoluminescence studies on heavily doped (Ga,Mn)Sb crystals. Semiconductor Science and Technology, 2010, 25, 105003. | 2.0 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Magnetic and Magnetotransport Properties of Diluted Magnetic Semiconductor (Ga,Mn)Sb Crystals. Journal of Superconductivity and Novel Magnetism, 2008, 21, 391-397. | 1.8 | 19 |
| 20 | Growth, magnetotransport, and magnetic properties of ferromagnetic (In,Mn)Sb crystals. Journal of Applied Physics, 2008, 103, 043701. | 2.5 | 18 |
| 21 | Influence of magnetic clusters on electrical and magnetic properties of In _{1-x} MnxSb/GaAs dilute magnetic semiconductor grown by liquid phase epitaxy. Solid State Communications, 2007, 143, 272-275. | 1.9 | 14 |