

Marina V Baidakova

List of Publications by Year in descending order

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25
papers

896
citations

687363

13
h-index

713466

21
g-index

27
all docs

27
docs citations

27
times ranked

1246
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | New prospects and frontiers of nanodiamond clusters. Journal Physics D: Applied Physics, 2007, 40, 6300-6311. | 2.8 | 185 |
| 2 | From graphene oxide towards aminated graphene: facile synthesis, its structure and electronic properties. Scientific Reports, 2020, 10, 6902. | 3.3 | 114 |
| 3 | Facile reduction of graphene oxide suspensions and films using glass wafers. Scientific Reports, 2018, 8, 14154. | 3.3 | 110 |
| 4 | Nanoscale Perforation of Graphene Oxide during Photoreduction Process in the Argon Atmosphere. Journal of Physical Chemistry C, 2016, 120, 28261-28269. | 3.1 | 85 |
| 5 | Cobalt and Magnesium Ferrite Nanoparticles: Preparation Using Liquid Foams as Templates and Their Magnetic Characteristics. Langmuir, 2005, 21, 10638-10643. | 3.5 | 72 |
| 6 | Modulating nitrogen species via N-doping and post annealing of graphene derivatives: XPS and XAS examination. Carbon, 2021, 182, 593-604. | 10.3 | 66 |
| 7 | Nanographene and Nanodiamond; New Members in the Nanocarbon Family. Chemistry - an Asian Journal, 2009, 4, 796-804. | 3.3 | 50 |
| 8 | X-ray determination of threading dislocation densities in GaN/Al ₂ O ₃ (0001) films grown by metalorganic vapor phase epitaxy. Journal of Applied Physics, 2014, 115, . | 2.5 | 34 |
| 9 | Controllable spherical aggregation of monodisperse carbon nanodots. Nanoscale, 2018, 10, 13223-13235. | 5.6 | 32 |
| 10 | Unveiling a facile approach for large-scale synthesis of N-doped graphene with tuned electrical properties. 2D Materials, 2020, 7, 045001. | 4.4 | 31 |
| 11 | Graphene oxide conversion into controllably carboxylated graphene layers via photoreduction process in the inert atmosphere. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 221-225. | 2.1 | 16 |
| 12 | Structures and electronic properties of surface/edges of nanodiamond and nanographite. Diamond and Related Materials, 2007, 16, 2029-2034. | 3.9 | 15 |
| 13 | The Fundamental Properties and Characteristics of Nanodiamonds. , 2010, , 55-77. | | 13 |
| 14 | Enhanced room-temperature 3.5 Å photoluminescence in stress-balanced metamorphic In(Sb,As)/In(Ga,Al)As/GaAs quantum wells. Applied Physics Express, 2017, 10, 121201. | 2.4 | 13 |
| 15 | Magnetic Properties of Hydrogen-Terminated Surface Layer of Diamond Nanoparticles. Fullerenes Nanotubes and Carbon Nanostructures, 2006, 14, 565-572. | 2.1 | 12 |
| 16 | Raman spectroscopy of disorder effects in Al _x Ga _{1-x} N solid solutions. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1999, 59, 222-225. | 3.5 | 9 |
| 17 | Graphene Oxide Chemistry Management via the Use of KMnO ₄ /K ₂ Cr ₂ O ₇ Oxidizing Agents. Nanomaterials, 2021, 11, 915. | 4.1 | 8 |
| 18 | Valence Band Structure Engineering in Graphene Derivatives. Small, 2021, 17, 2104316. | 10.0 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Guiding Graphene Derivatization for the On-Chip Multisensor Arrays: From the Synthesis to the Theoretical Background. <i>Advanced Materials Technologies</i> , 0, , 2101250. | 5.8 | 8 |
| 20 | Structure diagnostics of heterostructures and multi-layered systems by X-ray multiple diffraction. <i>Journal of Applied Crystallography</i> , 2017, 50, 722-726. | 4.5 | 5 |
| 21 | Application of the electron probe microanalysis in nitride-based heterostructures investigation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 749-753. | 1.8 | 4 |
| 22 | The Crystalline Structure of Nascent Ultra High Molecular Weight Single Particles and Its Change on Heating, as Revealed by in-situ Synchrotron Studies. <i>Journal of Macromolecular Science - Physics</i> , 2019, 58, 847-859. | 1.0 | 4 |
| 23 | MAGNETIC DEFECTS IN PRISTINE AND HYDROGENERMINATED NANODIAMONDS. , 2006, , 447-456. | | 1 |
| 24 | High-resolution X-ray diffraction and imaging. <i>Journal of Applied Crystallography</i> , 2013, 46, 841-841. | 4.5 | 1 |
| 25 | Influence of charge carriers on corrugation of suspended graphene. <i>Solid State Communications</i> , 2018, 270, 1-5. | 1.9 | 0 |