

# Dimitar Mitev

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6049526/publications.pdf>

Version: 2024-02-01

25  
papers

378  
citations

933447

10  
h-index

794594

19  
g-index

25  
all docs

25  
docs citations

25  
times ranked

577  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Surface peculiarities of detonation nanodiamonds in dependence of fabrication and purification methods. <i>Diamond and Related Materials</i> , 2007, 16, 776-780.  | 3.9  | 87        |
| 2  | Direct sector field ICP-MS determination of metal impurities in detonation nanodiamond. <i>Carbon</i> , 2013, 60, 326-334.   | 10.3 | 41        |
| 3  | Screening of elemental impurities in commercial detonation nanodiamond using sector field inductively coupled plasma-mass spectrometry. <i>Journal of Materials Science</i> , 2014, 49, 3573-3591.                       | 3.7  | 40        |
| 4  | Valorization of spent coffee grounds – A new approach. <i>Separation and Purification Technology</i> , 2018, 192, 271-277.   | 7.9  | 36        |
| 5  | Microwave-assisted purification of detonation nanodiamond. <i>Diamond and Related Materials</i> , 2014, 48, 37-46.   | 3.9  | 30        |
| 6  | Comparative study of cytotoxicity of detonation nanodiamond particles with an osteosarcoma cell line and primary mesenchymal stem cells. <i>Biotechnology and Biotechnological Equipment</i> , 2014, 28, 733-739.        | 1.3  | 28        |
| 7  | Functionalisation of mesoporous silica gel with 2-[(phosphonomethyl)-amino]acetic acid functional groups. Characterisation and application. <i>Applied Surface Science</i> , 2014, 288, 373-380.                         | 6.1  | 18        |
| 8  | Assessing the extent, stability, purity and properties of silanised detonation nanodiamond. <i>Applied Surface Science</i> , 2015, 357, 397-406.   | 6.1  | 14        |
| 9  | Separation and characterisation of detonation nanodiamond by capillary zone electrophoresis. <i>Electrophoresis</i> , 2014, 35, 1864-1872.   | 2.4  | 11        |
| 10 | PECVD modification of nano & ultrafiltration membranes for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2018, 548, 540-547.  | 8.2  | 11        |
| 11 | From superresolution to nanodetection: overview of far field optical nanoscopy techniques for nanostructures. <i>Journal of Physics: Conference Series</i> , 2016, 682, 012010.  | 0.4  | 10        |
| 12 | Iron oxide modified diamond blends containing ultradispersed diamond. <i>Journal of Colloid and Interface Science</i> , 2006, 300, 183-189.  | 9.4  | 9         |
| 13 | Direct determination of transition metals in mussel tissue digests using high-performance chelation ion chromatography with monolithic silica based chelating ion exchangers. <i>Analytical Methods</i> , 2013, 5, 2666. | 2.7  | 9         |
| 14 | Study on the preparation and the catalytic performance of Ni-modified shock-wave synthesized diamond blends and nanodispersed diamond. <i>Catalysis Communications</i> , 2007, 8, 1502-1506.                             | 3.3  | 8         |
| 15 | Detonation nanodiamonds are promising nontoxic delivery system for urothelial cells. <i>Protoplasma</i> , 2018, 255, 419-423.  | 2.1  | 7         |
| 16 | PECVD polymerised coatings on thermo-sensitive plastic support. <i>Journal of Physics: Conference Series</i> , 2016, 682, 012014.  | 0.4  | 6         |
| 17 | Elemental analysis of nanodiamonds by inductively coupled plasma hyphenated methods. , 2017, , 109-130.  |      | 4         |
| 18 | Development of Polymer/Nanodiamond Composite Coatings to Control Cell Adhesion, Growth, and Functions. <i>Behavior Research Methods</i> , 2015, 21, 1-26.  | 4.0  | 3         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Study of detonation nanodiamond “ plasma polymerized hexamethyldisiloxan composites for medical application. Journal of Physics: Conference Series, 2010, 253, 012078.  | 0.4 | 1         |
| 20 | Hydroxyapatite Reinforced Coatings with Incorporated Detonationally Generated Nanodiamonds. , 2010, , .   |     | 1         |
| 21 | Optical characterization of composite layers prepared by plasma polymerization. Journal of Physics: Conference Series, 2016, 682, 012025.   | 0.4 | 1         |
| 22 | Antioxidant activity of membrane-fractionated coffee extracts in dependence of the storage conditions. Journal of Physics: Conference Series, 2016, 764, 012007.  | 0.4 | 1         |
| 23 | Depot effect of bioactive components in experimental membrane filtrations. Journal of Physics: Conference Series, 2017, 780, 012005.  | 0.4 | 1         |
| 24 | Increased elastic modulus of plasma polymer coatings reinforced with detonation nanodiamond particles improves osteogenic differentiation of mesenchymal stem cells. Turkish Journal of Biology, 2018, 42, 195-203. | 0.8 | 1         |
| 25 | Symposium DD: Light interaction with nanomaterials. Materials Today: Proceedings, 2017, 4, S1-S2.   | 1.8 | 0         |