

Milica D Budimir

List of Publications by Year in descending order

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27
papers

1,173
citations

567281
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26
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all docs

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docs citations

29
times ranked

2087
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoactive graphene quantum dots/bacterial cellulose hydrogels: Structural, mechanical, and pro-oxidant study. Journal of Applied Polymer Science, 2022, 139, 51996.	2.6	4
2	Bactericidal and antioxidant bacterial cellulose hydrogels doped with chitosan as potential urinary tract infection biomedical agent. RSC Advances, 2021, 11, 8559-8568.	3.6	11
3	Photoactive and antioxidant nanochitosan dots/biocellulose hydrogels for wound healing treatment. Materials Science and Engineering C, 2021, 122, 111925.	7.3	26
4	Enhanced visible light-triggered antibacterial activity of carbon quantum dots/polyurethane nanocomposites by gamma rays induced pre-treatment. Radiation Physics and Chemistry, 2021, 185, 109499.	2.8	15
5	Chronic wound dressings – Pathogenic bacteria anti-biofilm treatment with bacterial cellulose-chitosan polymer or bacterial cellulose-chitosan dots composite hydrogels. International Journal of Biological Macromolecules, 2021, 191, 315-323.	7.5	17
6	Graphene quantum dots as singlet oxygen producer or radical quencher - The matter of functionalization with urea/thiourea. Materials Science and Engineering C, 2020, 109, 110539.	7.3	42
7	Nanoscale materials for the treatment of water contaminated by bacteria and viruses. , 2020, , 261-305.		3
8	Gamma irradiation of graphene quantum dots with ethylenediamine: Antioxidant for ion sensing. Ceramics International, 2020, 46, 23611-23622.	4.8	16
9	Antibacterial photodynamic activity of carbon quantum dots/polydimethylsiloxane nanocomposites against Staphylococcus aureus, Escherichia coli and Klebsiella pneumoniae. Photodiagnosis and Photodynamic Therapy, 2019, 26, 342-349.	2.6	59
10	Efficient capture and photothermal ablation of planktonic bacteria and biofilms using reduced graphene oxide-polyethyleneimine flexible nanoheaters. Journal of Materials Chemistry B, 2019, 7, 2771-2781.	5.8	31
11	Gamma ray assisted modification of carbon quantum dot/polyurethane nanocomposites: structural, mechanical and photocatalytic study. RSC Advances, 2019, 9, 6278-6286.	3.6	10
12	Simple route for the preparation of graphene/poly(styrene- <i>b</i> -butadiene- <i>b</i> -styrene) nanocomposite films with enhanced electrical conductivity and hydrophobicity. Polymer International, 2018, 67, 1118-1127.	3.1	4
13	Enhancing photoluminescence of graphene quantum dots by thermal annealing of the graphite precursor. Materials Research Bulletin, 2017, 93, 183-193.	5.2	36
14	Graphene quantum dots and fullerene as new carbon sources for single-layer and bi-layer graphene synthesis by rapid thermal annealing method. Materials Research Bulletin, 2017, 88, 114-120.	5.2	9
15	Effects of low gamma irradiation dose on the photoluminescence properties of graphene quantum dots. Optical and Quantum Electronics, 2016, 48, 1.	3.3	13
16	Semi-transparent, conductive thin films of electrochemical exfoliated graphene. RSC Advances, 2016, 6, 39275-39283.	3.6	29
17	Rapid thermal annealing of nickel-carbon nanowires for graphene nanoribbons formation. Synthetic Metals, 2016, 218, 43-49.	3.9	15
18	SYNTHESIS AND CHARACTERIZATION OF ELECTROCHEMICALLY EXFOLIATED GRAPHENE-MOLYBDOPHOSPHATE HYBRID MATERIALS FOR CHARGE STORAGE DEVICES. Electrochimica Acta, 2016, 217, 34-46.	5.2	4

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19	Raman study of the interactions between highly ordered pyrolytic graphite (HOPG) and polyoxometalates: The effects of acid concentration. Journal of the Serbian Chemical Society, 2016, 81, 777-787.	0.8	4
20	Nanomaterial with High Antimicrobial Efficacy”Copper/Polyaniline Nanocomposite. ACS Applied Materials & Interfaces, 2015, 7, 1955-1966.	8.0	140
21	Synthesis, structural characterisation and antibacterial activity of Ag+-doped fluorapatite nanomaterials prepared by neutralization method. Applied Surface Science, 2015, 337, 72-80.	6.1	42
22	The effect of annealing temperature and time on synthesis of graphene thin films by rapid thermal annealing. Synthetic Metals, 2015, 209, 461-467.	3.9	21
23	Modification of Structural and Luminescence Properties of Graphene Quantum Dots by Gamma Irradiation and Their Application in a Photodynamic Therapy. ACS Applied Materials & Interfaces, 2015, 7, 25865-25874.	8.0	94
24	Photodynamic antibacterial effect of graphene quantum dots. Biomaterials, 2014, 35, 4428-4435.	11.4	341
25	Copper nanoparticles with high antimicrobial activity. Materials Letters, 2014, 128, 75-78.	2.6	154
26	Preparation of PEDOT:PSS thin films doped with graphene and graphene quantum dots. Synthetic Metals, 2014, 198, 150-154.	3.9	27
27	Silver film on nanocrystalline TiO ₂ support: Photocatalytic and antimicrobial ability. Materials Research Bulletin, 2014, 60, 824-829.	5.2	6