RadosÅ‚aw MrÃ³wczyÅ„ski

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8946609/publications.pdf

Version: 2024-02-01

34 papers	2,156 citations	331259 21 h-index	360668 35 g-index
37 all docs	37 docs citations	37 times ranked	3347 citing authors

#	Article	IF	Citations
1	Structure of Polydopamine: A Never-Ending Story?. Langmuir, 2013, 29, 10539-10548.	1.6	834
2	Polydopamine-Based Multifunctional (Nano)materials for Cancer Therapy. ACS Applied Materials & Interfaces, 2018, 10, 7541-7561.	4.0	205
3	Magnetic nanoparticle-supported organocatalysts â€“ an efficient way of recycling and reuse. RSC Advances, 2014, 4, 5927.	1.7	128
4	Chemistry of polydopamine analogues. Polymer International, 2016, 65, 1288-1299.	1.6	86
5	Dendrimer based theranostic nanostructures for combined chemo- and photothermal therapy of liver cancer cells in vitro. Colloids and Surfaces B: Biointerfaces, 2019, 173, 698-708.	2.5	78
6	Efficient photocatalytic production of hydrogen by exploiting the polydopamine-semiconductor interface. Applied Catalysis B: Environmental, 2021, 280, 119423.	10.8	77
7	Polydopamineâ€"An Organocatalyst Rather than an Innocent Polymer. Chemistry - A European Journal, 2014, 20, 8647-8653.	1.7	72
8	Cyclodextrin-Based Magnetic Nanoparticles for Cancer Therapy. Nanomaterials, 2018, 8, 170.	1.9	61
9	New versatile polydopamine coated functionalized magnetic nanoparticles. Materials Chemistry and Physics, 2013, 138, 295-302.	2.0	57
10	NDs@PDA@ICG Conjugates for Photothermal Therapy of Glioblastoma Multiforme. Biomimetics, 2019, 4, 3.	1.5	57
11	Assessment of polydopamine coated magnetic nanoparticles in doxorubicin delivery. RSC Advances, 2016, 6, 5936-5943.	1.7	53
12	Polydopamine grafted on an advanced Fe3O4/lignin hybrid material and its evaluation in biosensing. Applied Surface Science, 2018, 455, 455-464.	3.1	49
13	Polydopamine Films with 2D-like Layered Structure and High Mechanical Resilience. ACS Applied Materials & Interfaces, 2021, 13, 23113-23120.	4.0	44
14	Electron Paramagnetic Resonance Imaging and Spectroscopy of Polydopamine Radicals. Journal of Physical Chemistry B, 2015, 119, 10341-10347.	1.2	40
15	Synthesis and photoluminescence properties of hybrid 1D coreâ€"shell structured nanocomposites based on ZnO/polydopamine. RSC Advances, 2020, 10, 29751-29758.	1.7	34
16	Magnetite Nanoparticles and Spheres for Chemo- and Photothermal Therapy of Hepatocellular Carcinoma in vitro . International Journal of Nanomedicine, 2020, Volume 15, 7923-7936.	3.3	34
17	Nano-mediated delivery of double-stranded RNA for gene therapy of glioblastoma multiforme. PLoS ONE, 2019, 14, e0213852.	1.1	31
18	The Effect of Tissue-Mimicking Phantom Compressibility on Magnetic Hyperthermia. Nanomaterials, 2019, 9, 803.	1.9	28

#	Article	IF	Citations
19	Melanin-like polydopa amides â€“ synthesis and application in functionalization of magnetic nanoparticles. Polymer Chemistry, 2015, 6, 2139-2149.	1.9	23
20	In vitro genotoxicity and cytotoxicity of polydopamine-coated magnetic nanostructures. Toxicology in Vitro, 2017, 44, 256-265.	1.1	23
21	Diazo transfer at polydopamine â€“ a new way to functionalization. Polymer Chemistry, 2014, 5, 6593-6599.	1.9	22
22	Polydopamine â€“ A Versatile Coating for Surfaceâ€Initiated Ringâ€Opening Polymerization of Lactide to Polylactide. Macromolecular Chemistry and Physics, 2015, 216, 211-217.	1.1	22
23	Influence of PDA Coating on the Structural, Optical and Surface Properties of ZnO Nanostructures. Nanomaterials, 2020, 10, 2438.	1.9	21
24	Polyamidoamine Dendrimers Decorated Multifunctional Polydopamine Nanoparticles for Targeted Chemo- and Photothermal Therapy of Liver Cancer Model. International Journal of Molecular Sciences, 2021, 22, 738.	1.8	21
25	Electron Spin Relaxation Studies of Polydopamine Radicals. Journal of Physical Chemistry B, 2021, 125, 841-849.	1.2	10
26	Anchoring Fe3O4 nanoparticles in a reduced graphene oxide aerogel matrix via polydopamine coating. Beilstein Journal of Nanotechnology, 2018, 9, 591-601.	1.5	9
27	In-situ thickness control of centimetre-scale 2D-Like polydopamine films with large scalability. Materials Today Chemistry, 2022, 24, 100935.	1.7	9
28	Facile and Controllable Growth of Î²-FeOOH Nanostructures on Polydopamine Spheres. Journal of Physical Chemistry B, 2020, 124, 9456-9463.	1.2	8
29	Replacing amine by azide: dopamine azide polymerization triggered by sodium periodate. Polymer Chemistry, 2022, 13, 3325-3334.	1.9	6
30	Overmodulation of projections as signalâ€toâ€noise enhancement method in EPR imaging. Magnetic Resonance in Chemistry, 2016, 54, 136-142.	1.1	4
31	Magnetic Nanoparticles as a Carrier of dsRNA for Gene Therapy. Methods in Molecular Biology, 2021, 2211, 69-81.	0.4	4
32	One-step ligand exchange reaction as an efficient way for functionalization of magnetic nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	2
33	Synthesis and characterization of new magnetic polydopamine composites. AIP Conference Proceedings, 2013, , .	0.3	1
34	Functionalization of polydopamine coated magnetic nanoparticles with biological entities. AIP Conference Proceedings, 2015, , .	0.3	0