Delyan R Hristov

List of Publications by Year
in descending order

19	2,321	687363 13	794594 19
papers	citations	h-index	g-index

23	23	23	4594
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Add Sugar to Chitosan: Mucoadhesion and In Vitro Intestinal Permeability of Mannosylated Chitosan Nanocarriers. Pharmaceutics, 2022, 14, 830.	4.5	6
2	Impact of dynamic sub-populations within grafted chains on the protein binding and colloidal stability of PEGylated nanoparticles. Nanoscale, 2021, 13, 5344-5355.	5.6	8
3	SARS-CoV-2 and approaches for a testing and diagnostic strategy. Journal of Materials Chemistry B, 2021, 9, 8157-8173.	5.8	4
4	Developing a Paper-Based Antigen Assay to Differentiate between Coronaviruses and SARS-CoV-2 Spike Variants. Analytical Chemistry, 2021, 93, 7825-7832.	6.5	26
5	Silica-Coated Nanoparticles with a Core of Zinc, <scp>l</scp>-Arginine, and a Peptide Designed for Oral Delivery. ACS Applied Materials & Interfaces, 2020, 12, 1257-1269.	8.0	26
6	The Immunoprobe Aggregation State is Central to Dipstick Immunoassay Performance. ACS Applied Materials & Interfaces, 2020, 12, 34620-34629.	8.0	15
7	LabrasolÂ® is an efficacious intestinal permeation enhancer across rat intestine: Ex vivo and in vivo rat studies. Journal of Controlled Release, 2019, 310, 115-126.	9.9	76
8	Designing Paper-Based Immunoassays for Biomedical Applications. Sensors, 2019, 19, 554.	3.8	86
9	Identification of Receptor Binding to the Biomolecular Corona of Nanoparticles. ACS Nano, 2017, 11, 1884-1893.	14.6	196
10	Efficacy assessment of self-assembled PLGA-PEG-PLGA nanoparticles: Correlation of nano-bio interface interactions, biodistribution, internalization and gene expression studies. International Journal of Pharmaceutics, 2017, 533, 389-401.	5.2	27
11	Using single nanoparticle tracking obtained by nanophotonic force microscopy to simultaneously characterize nanoparticle size distribution and nanoparticleâ€“surface interactions. Nanoscale, 2017, 9, 4524-4535.	5.6	7
12	Mapping of Molecular Structure of the Nanoscale Surface in Bionanoparticles. Journal of the American Chemical Society, 2017, 139, 111-114.	13.7	90
13	Low uptake of silica nanoparticles in Caco-2 intestinal epithelial barriers. Beilstein Journal of Nanotechnology, 2017, 8, 1396-1406.	2.8	23
14	PEO-PPO-PEO/Poly(DL-lactide-co-caprolactone) Nanoparticles as Carriers for SN-38: Design, Optimization and Nano-Bio Interface Interactions. Current Drug Delivery, 2016, 13, 339-352.	1.6	7
15	Tuning of nanoparticle biological functionality through controlled surface chemistry and characterisation at the bioconjugated nanoparticle surface. Scientific Reports, 2015, 5, 17040.	3.3	53
16	Controlling aqueous silica nanoparticle synthesis in the 10â€“100 nm range. Chemical Communications, 2015, 51, 17420-17423.	4.1	29
17	Transferrin-functionalized nanoparticles lose their targeting capabilities when a biomolecule corona adsorbs on the surface. Nature Nanotechnology, 2013, 8, 137-143.	31.5	1,516
18	Stabilising fluorescent silica nanoparticles against dissolution effects for biological studies. Chemical Communications, 2012, 48, 7970.	4.1	91

#	Article	IF	Citations
19	Crystal structure, morphology and photocatalytic activity of modified TiO2 and of spray-deposited TiO2 films. Catalysis Today, 2010, 151, 14-20.	4.4	32