

# Delyan R Hristov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2879079/publications.pdf>

Version: 2024-02-01

19  
papers

2,321  
citations

687363

13  
h-index

794594

19  
g-index

23  
all docs

23  
docs citations

23  
times ranked

4594  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transferrin-functionalized nanoparticles lose their targeting capabilities when a biomolecule corona adsorbs on the surface. <i>Nature Nanotechnology</i> , 2013, 8, 137-143.	31.5	1,516
2	Identification of Receptor Binding to the Biomolecular Corona of Nanoparticles. <i>ACS Nano</i> , 2017, 11, 1884-1893.	14.6	196
3	Stabilising fluorescent silica nanoparticles against dissolution effects for biological studies. <i>Chemical Communications</i> , 2012, 48, 7970.	4.1	91
4	Mapping of Molecular Structure of the Nanoscale Surface in Bionanoparticles. <i>Journal of the American Chemical Society</i> , 2017, 139, 111-114.	13.7	90
5	Designing Paper-Based Immunoassays for Biomedical Applications. <i>Sensors</i> , 2019, 19, 554.	3.8	86
6	Labrasol® is an efficacious intestinal permeation enhancer across rat intestine: Ex vivo and in vivo rat studies. <i>Journal of Controlled Release</i> , 2019, 310, 115-126.	9.9	76
7	Tuning of nanoparticle biological functionality through controlled surface chemistry and characterisation at the bioconjugated nanoparticle surface. <i>Scientific Reports</i> , 2015, 5, 17040.	3.3	53
8	Crystal structure, morphology and photocatalytic activity of modified TiO <sub>2</sub> and of spray-deposited TiO <sub>2</sub> films. <i>Catalysis Today</i> , 2010, 151, 14-20.	4.4	32
9	Controlling aqueous silica nanoparticle synthesis in the 10 <sup>2</sup> -100 nm range. <i>Chemical Communications</i> , 2015, 51, 17420-17423.	4.1	29
10	Efficacy assessment of self-assembled PLGA-PEG-PLGA nanoparticles: Correlation of nano-bio interface interactions, biodistribution, internalization and gene expression studies. <i>International Journal of Pharmaceutics</i> , 2017, 533, 389-401.	5.2	27
11	Silica-Coated Nanoparticles with a Core of Zinc, Arginine, and a Peptide Designed for Oral Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 1257-1269.	8.0	26
12	Developing a Paper-Based Antigen Assay to Differentiate between Coronaviruses and SARS-CoV-2 Spike Variants. <i>Analytical Chemistry</i> , 2021, 93, 7825-7832.	6.5	26
13	Low uptake of silica nanoparticles in Caco-2 intestinal epithelial barriers. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 1396-1406.	2.8	23
14	The Immunoprobe Aggregation State is Central to Dipstick Immunoassay Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 34620-34629.	8.0	15
15	Impact of dynamic sub-populations within grafted chains on the protein binding and colloidal stability of PEGylated nanoparticles. <i>Nanoscale</i> , 2021, 13, 5344-5355.	5.6	8
16	Using single nanoparticle tracking obtained by nanophotonic force microscopy to simultaneously characterize nanoparticle size distribution and nanoparticle-surface interactions. <i>Nanoscale</i> , 2017, 9, 4524-4535.	5.6	7
17	PEO-PPO-PEO/Poly(DL-lactide-co-caprolactone) Nanoparticles as Carriers for SN-38: Design, Optimization and Nano-Bio Interface Interactions. <i>Current Drug Delivery</i> , 2016, 13, 339-352.	1.6	7
18	Add Sugar to Chitosan: Mucoadhesion and In Vitro Intestinal Permeability of Mannosylated Chitosan Nanocarriers. <i>Pharmaceutics</i> , 2022, 14, 830.	4.5	6

#	ARTICLE	IF	CITATIONS
19	SARS-CoV-2 and approaches for a testing and diagnostic strategy. Journal of Materials Chemistry B, 2021, 9, 8157-8173.	5.8	4