Krzysztof Szczepanowicz

List of Publications by Year
in descending order

65	1,810	279798	289244
papers	citations	23 h-index	40 g-index

65	65	65	2268
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and antimicrobial activity of monodisperse copper nanoparticles. Colloids and Surfaces B: Biointerfaces, 2015, 128, 17-22.	5.0	203
2	Biocompatible long-sustained release oil-core polyelectrolyte nanocarriers: From controlling physical state and stability to biological impact. Advances in Colloid and Interface Science, 2015, 222, 678-691.	14.7	122
3	Self healing ability of inhibitor-containing nanocapsules loaded in epoxy coatings applied on aluminium 5083 and galvanneal substrates. Electrochimica Acta, 2014, 140, 282-293.	5.2	114
4	Formation of Biocompatible Nanocapsules with Emulsion Core and Pegylated Shell by Polyelectrolyte Multilayer Adsorption. Langmuir, 2010, 26, 12592-12597.	3.5	94
5	Novel approach to long sustained multilayer nanocapsules: influence of surfactant head groups and polyelectrolyte layer number on the release of hydrophobic compounds. Soft Matter, 2011, 7, 6113.	2.7	79
6	Self-healing epoxy coatings loaded with inhibitor-containing polyelectrolyte nanocapsules. Progress in Organic Coatings, 2015, 84, 97-106.	3.9	79
7	Encapsulation of liquid cores by layer-by-layer adsorption of polyelectrolytes. Journal of Microencapsulation, 2010, 27, 198-204.	2.8	69
8	Nanostructured multilayer polyelectrolyte films with silver nanoparticles as antibacterial coatings. Colloids and Surfaces B: Biointerfaces, 2016, 137, 158-166.	5.0	53
9	Polymeric Core-Shell Nanoparticles Prepared by Spontaneous Emulsification Solvent Evaporation and Functionalized by the Layer-by-Layer Method. Nanomaterials, 2020, 10, 496.	4.1	53
10	Influence of dicephalic ionic surfactant interactions with oppositely charged polyelectrolyte upon the in vitro dye release from oil core nanocapsules. Bioelectrochemistry, 2012, 87, 147-153.	4.6	49
11	Biocompatible Polymeric Nanoparticles as Promising Candidates for Drug Delivery. Langmuir, 2015, 31, 6415-6425.	3.5	47
12	Biomedical Applications of Multifunctional Polymeric Nanocarriers: A Review of Current Literature . International Journal of Nanomedicine, 2020, Volume 15, 8673-8696.	6.7	46
13	Hybrid Polyelectrolyte/Fe₃O₄ Nanocapsules for Hyperthermia Applications. ACS Applied Materials & Interfaces, 2016, 8, 25043-25050.	8.0	40
14	Pegylated polyelectrolyte nanoparticles containing paclitaxel as a promising candidate for drug carriers for passive targeting. Colloids and Surfaces B: Biointerfaces, 2016, 143, 463-471.	5.0	39
15	Gadolinium alginate nanogels for theranostic applications. Colloids and Surfaces B: Biointerfaces, 2017, 153, 183-189.	5.0	36
16	Polyelectrolyte multilayer capsules with quantum dots for biomedical applications. Colloids and Surfaces B: Biointerfaces, 2012, 90, 211-216.	5.0	32
17	In Vitro Interaction of Polyelectrolyte Nanocapsules with Model Cells. Langmuir, 2014, 30, 1100-1107.	3.5	32
18	Encapsulation of clozapine in polymeric nanocapsules and its biological effects. Colloids and Surfaces B: Biointerfaces, 2016, 140, 342-352.	5.0	32

#	Article	IF	Citations
19	Formation of oil filled nanocapsules with silica shells modified by sequential adsorption of polyelectrolytes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 885-889.	4.7	29
20	In vivo Studies on Pharmacokinetics, Toxicity and Immunogenicity of Polyelectrolyte Nanocapsules Functionalized with Two Different Polymers: Poly-L-Glutamic Acid or PEG . International Journal of Nanomedicine, 2019, Volume 14, 9587-9602.	6.7	28
21	Linseed oil based nanocapsules as delivery system for hydrophobic quantum dots. Colloids and Surfaces B: Biointerfaces, 2013, 110, 1-7.	5.0	27
22	Nanocomposite multifunctional polyelectrolyte thin films with copper nanoparticles as the antimicrobial coatings. Colloids and Surfaces B: Biointerfaces, 2019, 181, 112-118.	5.0	26
23	Metallic core-shell nanoparticles for conductive coatings and printing. Advances in Colloid and Interface Science, 2022, 299, 102578.	14.7	25
24	In vitro toxicity studies of biodegradable, polyelectrolyte nanocapsules. International Journal of Nanomedicine, 2018, Volume 13, 5159-5172.	6.7	23
25	Cytotoxic activity of paclitaxel incorporated into polyelectrolyte nanocapsules. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	22
26	Encapsulation of curcumin in polyelectrolyte nanocapsules and their neuroprotective activity. Nanotechnology, 2016, 27, 355101.	2.6	22
27	Preparation of the squalene-based capsules by membrane emulsification method and polyelectrolyte multilayer adsorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 462, 147-152.	4.7	21
28	Polyelectrolyte nanocapsules containing iron oxide nanoparticles as MRI detectable drug delivery system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 351-356.	4.7	20
29	Emulsion-core and polyelectrolyte-shell nanocapsules: biocompatibility and neuroprotection against SH-SY5Y cells. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	19
30	Albuminâ€“furcellaran complexes as cores for nanoencapsulation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 880-884.	4.7	18
31	The interaction of clozapine loaded nanocapsules with the hCMEC/D3 cells â€“ In vitro model of blood brain barrier. Colloids and Surfaces B: Biointerfaces, 2017, 159, 200-210.	5.0	17
32	Application of metallic inks based on nickel-silver coreâ€“shell nanoparticles for fabrication of conductive films. Nanotechnology, 2019, 30, 225301.	2.6	17
33	Synthesis of polyelectrolyte nanocapsules with iron oxide (Fe 3 O 4) nanoparticles for magnetic targeting. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 505, 132-137.	4.7	16
34	Functionalized structures based on shape-controlled TiO2. Applied Surface Science, 2019, 473, 603-613.	6.1	15
35	Nanocapsules with Polyelectrolyte Shell as a Platform for 1,25-dihydroxyvitamin D3 Neuroprotection: Study in Organotypic Hippocampal Slices. Neurotoxicity Research, 2016, 30, 581-592.	2.7	14
36	Protective effects of polydatin in free and nanocapsulated form on changes caused by lipopolysaccharide in hippocampal organotypic cultures. Pharmacological Reports, 2019, 71, 603-613.	3.3	14

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37	Magnetically responsive polycaprolactone nanocarriers for application in the biomedical field: magnetic hyperthermia, magnetic resonance imaging, and magnetic drug delivery. RSC Advances, 2020, 10, 43607-43618.	3.6	14
38	Liquid-core polyelectrolyte nanocapsules produced by membrane emulsification as carriers for corrosion inhibitors. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 510, 2-10.	4.7	13
39	Polyelectrolyte-coated nanocapsules containing undecylenic acid: Synthesis, biocompatibility and neuroprotective properties. Colloids and Surfaces B: Biointerfaces, 2015, 135, 8-17.	5.0	12
40	The optimization of methods of synthesis of nickelâ€“silver coreâ€“shell nanoparticles for conductive materials. Nanotechnology, 2019, 30, 015601.	2.6	12
41	Nafion-Based Nanocarriers for Fluorine Magnetic Resonance Imaging. Langmuir, 2020, 36, 9534-9539.	3.5	12
42	Antireflection TiO x Coating with Plasmonic Metal Nanoparticles for Silicon Solar Cells. Plasmonics, 2013, 8, 41-43.	3.4	11
43	Theoretical and experimental studies of drop size in membrane emulsification â€“ Single pore studies of hydrodynamic detachment of droplets. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 470, 297-305.	4.7	11
44	Poly(l-glutamic acid)-g-poly(ethylene glycol) external layer in polyelectrolyte multilayer films: Characterization and resistance to serum protein adsorption. Colloids and Surfaces B: Biointerfaces, 2018, 166, 295-302.	5.0	11
45	Chloroform Emulsions Containing TEOS, APS and DTSACl as Cores for Microencapsulation. Procedia Chemistry, 2009, 1, 1576-1583.	0.7	10
46	Magnetically responsive liquid core polyelectrolyte nanocapsules. Journal of Microencapsulation, 2015, 32, 123-128.	2.8	10
47	Encapsulation of camptothecin into pegylated polyelectrolyte nanocarriers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 557, 36-42.	4.7	10
48	Polysaccharide gel nanoparticles modified by the Layer-by-Layer technique for biomedical applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 519, 192-198.	4.7	9
49	Encapsulation of clozapine into polycaprolactone nanoparticles as a promising strategy of the novel nanoformulation of the active compound. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	9
50	The conductive properties of ink coating based on Niâ€“Ag coreâ€“shell nanoparticles with the bimodal size distribution. Journal of Materials Science: Materials in Electronics, 2020, 31, 12991-12999.	2.2	8
51	Encapsulation of liquid cores by layer-by-layer adsorption of polyelectrolytes. Journal of Microencapsulation, 2010, 27, 090624002736013.	2.8	8
52	Co-adsorption of polyanions and esterquat surfactants; effect on formation and stability of micellar core nanocapsules. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 519, 117-124.	4.7	7
53	Nanocomposite Inks Based on Nickelâ€“Silver Coreâ€“Shell and Silver Nanoparticles for Fabrication Conductive Coatings at Low-Temperature Sintering. Colloids and Interfaces, 2021, 5, 15.	2.1	7
54	Polydispersity vs. Monodispersity. How the Properties of Ni-Ag Core-Shell Nanoparticles Affect the Conductivity of Ink Coatings. Materials, 2021, 14, 2304.	2.9	7

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55	Neuroprotective action of undecylenic acid (UDA) encapsulated into PCL nanocarriers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 41-47.	4.7	6
56	Rationale design of a layer-by-layer nanostructure for X-ray induced photodynamic therapy. Colloids and Interface Science Communications, 2020, 39, 100327.	4.1	5
57	Control of Specific/Nonspecific Protein Adsorption: Functionalization of Polyelectrolyte Multilayer Films as a Potential Coating for Biosensors. Materials, 2021, 14, 7629.	2.9	5
58	Gadolinium labeled polyelectrolyte nanocarriers for theranostic application. Colloids and Surfaces B: Biointerfaces, 2019, 183, 110396.	5.0	4
59	Deposition of zeolite nanoparticles onto porous silica monolith. Surface Innovations, 2016, 4, 88-101.	2.3	3
60	Polyelectrolyte-coated nanocapsules containing cyclosporine A protect neuronal-like cells against oxidative stress-induced cell damage. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 555, 264-269.	4.7	3
61	Effective Detection of NafionÂ®-Based Theranostic Nanocapsules Through 19F Ultra-Short Echo Time MRI. Nanomaterials, 2020, 10, 2127.	4.1	3
62	The role of water in the confinement of ibuprofen in SBA-15. Journal of Materials Chemistry B, 2021, 9, 7482-7491.	5.8	3
63	Polyaminoacid Based Core@shell Nanocarriers of 5-Fluorouracil: Synthesis, Properties and Theranostics Application. International Journal of Molecular Sciences, 2021, 22, 12762.	4.1	3
64	Effect of Oxalic Acid Treatment on Conductive Coatings Formed by Ni@Ag Coreâ€“Shell Nanoparticles. Materials, 2022, 15, 305.	2.9	2
65	Fluorophore Localization Determines the Results of Biodistribution of Core-Shell Nanocarriers. International Journal of Nanomedicine, 2022, Volume 17, 577-588.	6.7	0