Alessandro JÃ¤ger

List of Publications by Year
in descending order

40 papers	1,068 citations	361296 20 h-index	414303 32 g-index
40 all docs	40 docs citations	40 times ranked	1784 citing authors

#	Article	IF	Citations
1	pH-triggered block copolymer micelles based on a pH-responsive PDPA (poly[2-(diisopropylamino)ethyl) Tj ETQq1 1 0.784314 rgBT /Ove cancer therapy. Soft Matter, 2011, 7, 9316.	1.2	77
2	Physico-chemical characterization of nanocapsule polymeric wall using fluorescent benzazole probes. International Journal of Pharmaceutics, 2007, 338, 297-305.	2.6	73
3	Solid lipid nanoparticles for hydrophilic biotech drugs: Optimization and cell viability studies (Caco-2) Tj ETQq1 1 0.784314 rgBT /Ove	2.6	64
4	Combination chemotherapy using core-shell nanoparticles through the self-assembly of HPMA-based copolymers and degradable polyester. Journal of Controlled Release, 2013, 165, 153-161.	4.8	57
5	Fluorescent boronate-based polymer nanoparticles with reactive oxygen species (ROS)-triggered cargo release for drug-delivery applications. Nanoscale, 2016, 8, 6958-6963.	2.8	54
6	Semisolid Formulation Containing a Nanoencapsulated Sunscreen: Effectiveness, <I>In Vitro</I> Photostability and Immune Response. Journal of Biomedical Nanotechnology, 2009, 5, 240-246.	0.5	52
7	Novel â€œsoftâ€•biodegradable nanoparticles prepared from aliphatic based monomers as a potential drug delivery system. Soft Matter, 2012, 8, 4343.	1.2	51
8	Physicochemical aspects behind the size of biodegradable polymeric nanoparticles: A step forward. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 1092-1102.	2.3	49
9	Lipid-core nanocapsules restrained the indomethacin ethyl ester hydrolysis in the gastrointestinal lumen and wall acting as mucoadhesive reservoirs. European Journal of Pharmaceutical Sciences, 2010, 39, 116-124.	1.9	48
10	Selectively Biodegradable Polyesters: Nature-Inspired Construction Materials for Future Biomedical Applications. Polymers, 2019, 11, 1061.	2.0	45
11	Polymeric nanocapsules ultra stable in complex biological media. Colloids and Surfaces B: Biointerfaces, 2011, 83, 376-381.	2.5	39
12	Self-assembly of biodegradable copolyester and reactive HPMA-based polymers into nanoparticles as an alternative stealth drug delivery system. Soft Matter, 2012, 8, 9563.	1.2	35
13	pH-responsive polymersome-mediated delivery of doxorubicin into tumor sites enhances the therapeutic efficacy and reduces cardiotoxic effects. Journal of Controlled Release, 2021, 332, 529-538.	4.8	32
14	Nanoparticles of the poly([N-(2-hydroxypropyl)]methacrylamide)-b-poly[2-(diisopropylamino)ethyl methacrylate] diblock copolymer for pH-triggered release of paclitaxel. Polymer Chemistry, 2015, 6, 4946-4954.	1.9	31
15	Novel poly(ethylene oxide monomethyl ether)-b-poly(Îµ-caprolactone) diblock copolymers containing a pH-acid labile ketal group as a block linkage. Polymer Chemistry, 2014, 5, 3884-3893.	1.9	29
16	Reactive Oxygen Species (ROS)-Responsive Polymersomes with Site-Specific Chemotherapeutic Delivery into Tumors via Spacer Design Chemistry. Biomacromolecules, 2020, 21, 1437-1449.	2.6	29
17	Light scattering evidence of selective protein fouling on biocompatible block copolymer micelles. Nanoscale, 2012, 4, 4504.	2.8	27
18	One-pot synthesis of reactive oxygen species (ROS)-self-immolative polyoxalate prodrug nanoparticles for hormone dependent cancer therapy with minimized side effects. Polymer Chemistry, 2017, 8, 1999-2004.	1.9	27

#	Article	IF	Citations
19	Understanding the Structural Parameters of Biocompatible Nanoparticles Dictating Protein Fouling. Langmuir, 2014, 30, 9770-9779.	1.6	25
20	Development, Cytotoxicity and Eye Irritation Profile of a New Sunscreen Formulation Based on Benzophenone-3-poly(Îµ-caprolactone) Nanocapsules. Toxics, 2019, 7, 51.	1.6	20
21	Paclitaxel-loaded biodegradable ROS-sensitive nanoparticles for cancer therapy . International Journal of Nanomedicine, 2019, Volume 14, 6269-6285.	3.3	19
22	Microfluidic-Assisted Engineering of Quasi-Monodisperse pH-Responsive Polymersomes toward Advanced Platforms for the Intracellular Delivery of Hydrophilic Therapeutics. Langmuir, 2019, 35, 8363-8372.	1.6	18
23	Isotretinoin-Loaded Nanocapsules: Stability and Cutaneous Penetration by Tape Stripping in Human and Pig Skin. Journal of Biomedical Nanotechnology, 2012, 8, 258-271.	0.5	15
24	Probing protein adsorption onto polymer-stabilized silver nanocolloids towards a better understanding on the evolution and consequences of biomolecular coronas. Materials Science and Engineering C, 2020, 111, 110850.	3.8	15
25	Lipid Nanomaterials for Targeted Delivery of Dermocosmetic Ingredients: Advances in Photoprotection and Skin Anti-Aging. Nanomaterials, 2022, 12, 377.	1.9	15
26	Biocompatible succinic acid-based polyesters for potential biomedical applications: fungal biofilm inhibition and mesenchymal stem cell growth. RSC Advances, 2015, 5, 85756-85766.	1.7	14
27	The role of ether-functionalized ionic liquids in the solâ€“gel process: Effects on the initial alkoxide hydrolysis steps. Journal of Colloid and Interface Science, 2015, 447, 77-84.	5.0	14
28	Novel thermo-responsive double-hydrophilic and hydrophobic MPEO-b-PEtOx-b-PCL triblock terpolymers: Synthesis, characterization and self-assembly studies. Polymer, 2015, 59, 215-225.	1.8	13
29	Structural changes on polymeric nanoparticles induced by hydrophobic drug entrapment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 238-249.	2.3	13
30	Poly(ethylene oxide monomethyl ether)-block-poly(propylene succinate) Nanoparticles: Synthesis and Characterization, Enzymatic and Cellular Degradation, Micellar Solubilization of Paclitaxel, and in Vitro and in Vivo Evaluation. Biomacromolecules, 2018, 19, 2443-2458.	2.6	11
31	Enhanced Antitumor Efficacy through an â€œAND gateâ€•Reactive Oxygenâ€Speciesâ€Dependent pHâ€Responsive Nanomedicine Approach. Advanced Healthcare Materials, 2021, 10, e2100304.	3.9	9
32	Morphology and Kinetics of Aggregation of Silver Nanoparticles Induced with Regioregular Cationic Polythiophene. Langmuir, 2016, 32, 2-11.	1.6	8
33	Amphiphilic Diblock Copolymer and Polycaprolactone Blends to Produce New Vesicular Nanocarriers. Journal of Biomedical Nanotechnology, 2012, 8, 272-279.	0.5	7
34	Supramolecular self-assembly of novel thermo-responsive double-hydrophilic and hydrophobic Y-shaped [MPEO-b-PEtOx-b-(PCL)₂] terpolymers. RSC Advances, 2015, 5, 62844-62854.	1.7	6
35	Effects of cashew gum and nanoparticles on cooled stallion semen. Acta Veterinaria Scandinavica, 2020, 62, 31.	0.5	5
36	Engineering of pH-triggered nanoplatforms based on novel poly(2-methyl-2-oxazoline)-b-poly[2-(diisopropylamino)ethyl methacrylate] diblock copolymers with tunable morphologies for biomedical applications. Polymer Chemistry, 2021, 12, 2868-2880.	1.9	5

#	Article	IF	Citations
37	Development of an Acid-Labile Ketal Linked Amphiphilic Block Copolymer Nanoparticles for pH-Triggered Release of Paclitaxel. Polymers, 2021, 13, 1465.	2.0	5
38	Cashew Gum (Anacardium occidentale) as a Potential Source for the Production of Tocopherol-Loaded Nanoparticles: Formulation, Release Profile and Cytotoxicity. Applied Sciences (Switzerland), 2021, 11, 8467.	1.3	5
39	Microfluidic-assisted synthesis of uniform polymer-stabilized silver colloids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 618, 126438.	2.3	4
40	Human metabolite-derived alkylsuccinate/dilinoleate copolymers: from synthesis to application. Journal of Materials Chemistry B, 2020, 8, 9980-9996.	2.9	3