

Robert K Prud'homme

List of Publications by Year in descending order

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284
papers

25,201
citations

17405

63
h-index

7136

153
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285
all docs

285
docs citations

285
times ranked

28370
citing authors

#	ARTICLE	IF	CITATIONS
1	Small-volume in vitro lipid digestion measurements for assessing drug dissolution in lipid-based formulations using SAXS. <i>International Journal of Pharmaceutics</i> , 2022, 4, 100113.	1.2	1
2	Development of an <i>In Vitro</i> Release Assay for Low-Density Cannabidiol Nanoparticles Prepared by Flash NanoPrecipitation. <i>Molecular Pharmaceutics</i> , 2022, 19, 1515-1525.	2.3	11
3	Internal liquid crystal structures in nanocarriers containing drug hydrophobic ion pairs dictate drug release. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 815-824.	5.0	13
4	Encapsulation and Controlled Release of a Camptothecin Prodrug from Nanocarriers and Microgels: Tuning Release Rate with Nanocarrier Excipient Composition. <i>Molecular Pharmaceutics</i> , 2021, 18, 1093-1101.	2.3	9
5	Chemistry and Geometry of Counterions Used in Hydrophobic Ion Pairing Control Internal Liquid Crystal Phase Behavior and Thereby Drug Release. <i>Molecular Pharmaceutics</i> , 2021, 18, 1666-1676.	2.3	8
6	A new hypothesis for air loss in cement systems containing fly ash. <i>Cement and Concrete Research</i> , 2021, 142, 106352.	4.6	18
7	Highly-loaded protein nanocarriers prepared by Flash NanoPrecipitation with hydrophobic ion pairing. <i>International Journal of Pharmaceutics</i> , 2021, 601, 120397.	2.6	7
8	Sustained release of peptides and proteins from polymeric nanocarriers produced by inverse Flash NanoPrecipitation. <i>Journal of Controlled Release</i> , 2021, 334, 11-20.	4.8	8
9	Processing Chitosan for Preparing Chitosan-Functionalized Nanoparticles by Polyelectrolyte Adsorption. <i>Langmuir</i> , 2021, 37, 8517-8524.	1.6	11
10	Transient Electric Birefringence of Linear and Circular DNA: A Comparison of Kinetic Theory Predictions. <i>Journal of Physical Chemistry B</i> , 2021, 125, 8944-8952.	1.2	2
11	Reversible pH-Driven Flocculation of Amphiphilic Polyelectrolyte-Coated Nanoparticles for Rapid Filtration and Concentration. <i>ACS Applied Nano Materials</i> , 2021, 4, 8690-8698.	2.4	4
12	Microfluidic Technology for the Production of Hybrid Nanomedicines. <i>Pharmaceutics</i> , 2021, 13, 1495.	2.0	9
13	Nanoparticle size distribution quantification from transmission electron microscopy (TEM) of ruthenium tetroxide stained polymeric nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 208-220.	5.0	62
14	Tween® Preserves Enzyme Activity and Stability in PLGA Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 2946.	1.9	11
15	Clofazimine-Loaded Mucoadhesive Nanoparticles Prepared by Flash Nanoprecipitation for Strategic Intestinal Delivery. <i>Pharmaceutical Research</i> , 2021, 38, 2109-2118.	1.7	4
16	Transcranial Photoacoustic Detection of Blood-Brain Barrier Disruption Following Focused Ultrasound-Mediated Nanoparticle Delivery. <i>Molecular Imaging and Biology</i> , 2020, 22, 324-334.	1.3	18
17	Polymeric Nanocarriers With Mucus-Diffusive and Mucus-Adhesive Properties to Control Pharmacokinetic Behavior of Orally Dosed Cyclosporine A. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 1079-1085.	1.6	14
18	Polymeric Nanocarrier Formulations of Biologics Using Inverse Flash NanoPrecipitation. <i>AAPS Journal</i> , 2020, 22, 18.	2.2	15

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19	Synthesis of Heterobifunctional Thiolâ€poly(lactic acid)â€b â€poly(ethylene glycol)â€hydroxyl for Nanoparticle Drug Delivery Applications. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900396.	1.1	7
20	Kinetics of Nanoparticle Radiolabeling of Metalloporphyrin with ⁶⁴ Cu for Positron Emission Tomography (PET) Imaging. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 19126-19132.	1.8	3
21	Stability of Protein Structure during Nanocarrier Encapsulation: Insights on Solvent Effects from Simulations and Spectroscopic Analysis. <i>ACS Nano</i> , 2020, 14, 16962-16972.	7.3	1
22	Contamination of Oil-Well Cement with Conventional and Microemulsion Spacers. <i>SPE Journal</i> , 2020, 25, 3002-3016.	1.7	11
23	Ring currents modulate optoelectronic properties of aromatic chromophores at 25 T. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11289-11298.	3.3	18
24	Adsorption dynamics of polymeric nanoparticles at an air-water interface with addition of surfactants. <i>Journal of Colloid and Interface Science</i> , 2020, 575, 416-424.	5.0	9
25	Potent Tetrahydroquinolone Eliminates Apicomplexan Parasites. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 203.	1.8	21
26	A Novel Bivalent Mannosylated Targeting Ligand Displayed on Nanoparticles Selectively Targets Anti-Inflammatory M2 Macrophages. <i>Pharmaceutics</i> , 2020, 12, 243.	2.0	17
27	In Silico Design Enables the Rapid Production of Surface-Active Colloidal Amphiphiles. <i>ACS Central Science</i> , 2020, 6, 166-173.	5.3	21
28	Insights into Hydrophobic Ion Pairing from Molecular Simulation and Experiment. <i>ACS Nano</i> , 2020, 14, 6097-6106.	7.3	18
29	Binary small molecule organic nanoparticles exhibit both direct and diffusion-limited ultrafast charge transfer with NIR excitation. <i>Nanoscale</i> , 2019, 11, 2385-2392.	2.8	4
30	Flash NanoPrecipitation for the Encapsulation of Hydrophobic and Hydrophilic Compounds in Polymeric Nanoparticles. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	40
31	Translational formulation of nanoparticle therapeutics from laboratory discovery to clinical scale. <i>Journal of Translational Medicine</i> , 2019, 17, 200.	1.8	59
32	Solid-State Behavior and Solubilization of Flash Nanoprecipitated Clofazimine Particles during the Dispersion and Digestion of Milk-Based Formulations. <i>Molecular Pharmaceutics</i> , 2019, 16, 2755-2765.	2.3	21
33	Spray drying OZ439 nanoparticles to form stable, water-dispersible powders for oral malaria therapy. <i>Journal of Translational Medicine</i> , 2019, 17, 97.	1.8	24
34	Amorphous nanoparticles by self-assembly: processing for controlled release of hydrophobic molecules. <i>Soft Matter</i> , 2019, 15, 2400-2410.	1.2	29
35	Hydrophobic ion pairing: encapsulating small molecules, peptides, and proteins into nanocarriers. <i>Nanoscale Advances</i> , 2019, 1, 4207-4237.	2.2	135
36	On the Stability of Polymeric Nanoparticles Fabricated through Rapid Solvent Mixing. <i>Langmuir</i> , 2019, 35, 709-717.	1.6	23

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37	Rapid Recovery of Clofazimine-Loaded Nanoparticles with Long-Term Storage Stability as Anti- <i>Cryptosporidium</i> Therapy. <i>ACS Applied Nano Materials</i> , 2018, 1, 2184-2194.	2.4	20
38	<i>Pseudomonas aeruginosa</i> pyocyanin production reduced by quorum-sensing inhibiting nanocarriers. <i>International Journal of Pharmaceutics</i> , 2018, 544, 75-82.	2.6	11
39	A Computational Study of the Ionic Liquid-Induced Destabilization of the Miniprotein Trp-Cage. <i>Journal of Physical Chemistry B</i> , 2018, 122, 5707-5715.	1.2	8
40	Copper Loading of Preformed Nanoparticles for PET-Imaging Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3191-3199.	4.0	17
41	Controlling and Predicting Nanoparticle Formation by Block Copolymer Directed Rapid Precipitations. <i>Nano Letters</i> , 2018, 18, 1139-1144.	4.5	84
42	Rapid Production of Internally Structured Colloids by Flash Nanoprecipitation of Block Copolymer Blends. <i>ACS Nano</i> , 2018, 12, 4660-4668.	7.3	65
43	Preparation of PEGylated Iodine-Loaded Nanoparticles via Polymer-Directed Self-Assembly. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700592.	1.1	5
44	Pressure Effect on the Rheological Behavior of Waxy Crude Oil with Comb-Type Copolymers Bearing Azobenzene Pendant. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 4887-4894.	1.8	16
45	Encapsulation of OZ439 into Nanoparticles for Supersaturated Drug Release in Oral Malaria Therapy. <i>ACS Infectious Diseases</i> , 2018, 4, 970-979.	1.8	23
46	Quenched hexacene optoacoustic nanoparticles. <i>Journal of Materials Chemistry B</i> , 2018, 6, 44-55.	2.9	7
47	Millisecond Self-Assembly of Stable Nanodispersed Drug Formulations. <i>Molecular Pharmaceutics</i> , 2018, 15, 495-507.	2.3	3
48	Hydrophobic Ion Pairing of Peptide Antibiotics for Processing into Controlled Release Nanocarrier Formulations. <i>Molecular Pharmaceutics</i> , 2018, 15, 216-225.	2.3	45
49	Design of a Small-Scale Multi-Inlet Vortex Mixer for Scalable Nanoparticle Production and Application to the Encapsulation of Biologics by Inverse Flash NanoPrecipitation. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 2465-2471.	1.6	42
50	Adsorption and Denaturation of Structured Polymeric Nanoparticles at an Interface. <i>Nano Letters</i> , 2018, 18, 4854-4860.	4.5	20
51	Visualization of Surfactant Dynamics to and along Oil-Water Interfaces Using Solvatochromic Fluorescent Surfactants. <i>Langmuir</i> , 2018, 34, 10512-10522.	1.6	12
52	Rheo-optical Analysis of Functionalized Graphene Suspensions. <i>Langmuir</i> , 2018, 34, 7844-7851.	1.6	16
53	Orientation dynamics of dilute functionalized graphene suspensions in oscillatory flow. <i>Physical Review Fluids</i> , 2018, 3, .	1.0	10
54	Adsorption characteristics of charged and nonionic small molecules to colloidal alumina. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 29-38.	5.0	2

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55	Real-Time and Multiplexed Photoacoustic Imaging of Internally Normalized Mixed-Targeted Nanoparticles. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 443-451.	2.6	19
56	Porous mannitol carrier for pulmonary delivery of cyclosporine A nanoparticles. <i>AAPS Journal</i> , 2017, 19, 578-586.	2.2	26
57	Nanoparticle targeting of Gram-positive and Gram-negative bacteria for magnetic-based separations of bacterial pathogens. <i>Applied Nanoscience (Switzerland)</i> , 2017, 7, 83-93.	1.6	42
58	Ultrafiltration of nanoparticle colloids. <i>Journal of Membrane Science</i> , 2017, 538, 41-49.	4.1	23
59	Assembly of Macrocyclic Dye Derivatives into Particles for Fluorescence and Photoacoustic Applications. <i>ACS Combinatorial Science</i> , 2017, 19, 397-406.	3.8	28
60	Combining Precipitation and Vitrification to Control the Number of Surface Patches on Polymer Nanocolloids. <i>Langmuir</i> , 2017, 33, 5835-5842.	1.6	21
61	Scalable Platform for Structured and Hybrid Soft Nanocolloids by Continuous Precipitation in a Confined Environment. <i>Langmuir</i> , 2017, 33, 3444-3449.	1.6	40
62	Studying AEA interaction in cement systems using tensiometry. <i>Cement and Concrete Research</i> , 2017, 92, 29-36.	4.6	42
63	Using Flash Nanoprecipitation To Produce Highly Potent and Stable Cellax Nanoparticles from Amphiphilic Polymers Derived from Carboxymethyl Cellulose, Polyethylene Glycol, and Cabazitaxel. <i>Molecular Pharmaceutics</i> , 2017, 14, 3998-4007.	2.3	27
64	Effect of Spacer Length between Phenyl Pendant and Backbone in Comb Copolymers on Flow Ability of Waxy Oil with Asphaltenes. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12447-12455.	1.8	30
65	Design and Solidification of Fast-Releasing Clofazimine Nanoparticles for Treatment of Cryptosporidiosis. <i>Molecular Pharmaceutics</i> , 2017, 14, 3480-3488.	2.3	57
66	New nano-matrix oral formulation of nanoprecipitated cyclosporine A prepared with multi-inlet vortex mixer. <i>International Journal of Pharmaceutics</i> , 2017, 516, 116-119.	2.6	12
67	Inverse Flash NanoPrecipitation for Biologics Encapsulation: Nanoparticle Formation and Ionic Stabilization in Organic Solvents. <i>ACS Symposium Series</i> , 2017, , 249-274.	0.5	5
68	Inverse Flash NanoPrecipitation for Biologics Encapsulation: Understanding Process Losses via an Extraction Protocol. <i>ACS Symposium Series</i> , 2017, , 275-296.	0.5	4
69	Alternative vaccine administration by powder injection: Needle-free dermal delivery of the glycoconjugate meningococcal group Y vaccine. <i>PLoS ONE</i> , 2017, 12, e0183427.	1.1	7
70	Formulation of long-wavelength indocyanine green nanocarriers. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	1.4	13
71	Supramolecular polymer assembly in aqueous solution arising from cyclodextrin host-guest complexation. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 50-72.	1.3	37
72	A Scalable Platform for Functional Nanomaterials via Bubble Bursting. <i>Advanced Materials</i> , 2016, 28, 4047-4052.	11.1	19

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73	Targeted Theragnostic Nanoparticles Via Flash Nanoprecipitation: Principles of Material Selection. , 2016, , 55-85.		2
74	Biopharmaceutical Evaluation of Novel Cyclosporine A Nano-matrix Particles for Inhalation. Pharmaceutical Research, 2016, 33, 2107-2116.	1.7	9
75	Narrow Absorption NIR Wavelength Organic Nanoparticles Enable Multiplexed Photoacoustic Imaging. ACS Applied Materials & Interfaces, 2016, 8, 14379-14388.	4.0	29
76	Principles of nanoparticle formation by flash nanoprecipitation. Nano Today, 2016, 11, 212-227.	6.2	266
77	Soft Multifaced and Patchy Colloids by Constrained Volume Self-Assembly. Macromolecules, 2016, 49, 3580-3585.	2.2	45
78	Red-emitting, EtTP-5-based organic nanoprobes for two-photon imaging in 3D multicellular biological models. RSC Advances, 2016, 6, 65770-65774.	1.7	4
79	Nanocarriers from GRAS Zein Proteins to Encapsulate Hydrophobic Actives. Biomacromolecules, 2016, 17, 3828-3837.	2.6	94
80	Efficient preparation of size tunable PEGylated gold nanoparticles. Journal of Materials Chemistry B, 2016, 4, 4813-4817.	2.9	9
81	Determining drug release rates of hydrophobic compounds from nanocarriers. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150128.	1.6	17
82	Biodistribution and fate of core-labeled ¹²⁵ I polymeric nanocarriers prepared by Flash NanoPrecipitation (FNP). Journal of Materials Chemistry B, 2016, 4, 2428-2434.	2.9	23
83	Directed Assembly of Soft Colloids through Rapid Solvent Exchange. ACS Nano, 2016, 10, 1425-1433.	7.3	61
84	Biocompatible Nanoparticle Based on Dextran- <i>b</i> -Poly(<i>l</i> -lactide) Block Copolymer Formed by Flash Nanoprecipitation. Chemistry Letters, 2015, 44, 1688-1690.	0.7	13
85	Single-Step Assembly of Multimodal Imaging Nanocarriers: MRI and Long-Wavelength Fluorescence Imaging. Advanced Healthcare Materials, 2015, 4, 1376-1385.	3.9	48
86	Reversible photo-responsive vesicle based on the complexation between an azobenzene containing molecule and β -cyclodextrin. RSC Advances, 2015, 5, 32846-32852.	1.7	8
87	Complexation of dodecyl-substituted poly(acrylate) by linked β -cyclodextrin dimers and trimers in aqueous solution. Journal of Polymer Science Part A, 2015, 53, 1278-1286.	2.5	5
88	Modulating <i>Vibrio cholerae</i> Quorum-Sensing-Controlled Communication Using Autoinducer-Loaded Nanoparticles. Nano Letters, 2015, 15, 2235-2241.	4.5	47
89	A thermosensitive hydrogel carrier for nickel nanoparticles. Colloids and Interface Science Communications, 2015, 4, 1-4.	2.0	19
90	Sugar-based amphiphilic nanoparticles arrest atherosclerosis in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2693-2698.	3.3	101

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91	Responsive foams for nanoparticle delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 133, 81-87.	2.5	13
92	Investigation of the Local Environment of Hydrophobic End Groups on Polyethylene Glycol (PEG) Brushes Using Fluorometry: Relationship to Click Chemistry Conjugation Reactions on PEG-Protected Nanoparticles. <i>ACS Macro Letters</i> , 2015, 4, 521-525.	2.3	4
93	Effect of Comb-type Copolymers with Various Pendants on Flow Ability of Heavy Crude Oil. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 5204-5212.	1.8	66
94	Facile Preparation of AIE-Active Fluorescent Nanoparticles through Flash Nanoprecipitation. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 4683-4688.	1.8	59
95	Polymer Directed Self-Assembly of pH-Responsive Antioxidant Nanoparticles. <i>Langmuir</i> , 2015, 31, 3612-3620.	1.6	61
96	Antitubercular Nanocarrier Combination Therapy: Formulation Strategies and <i>in Vitro</i> Efficacy for Rifampicin and SQ641. <i>Molecular Pharmaceutics</i> , 2015, 12, 1554-1563.	2.3	22
97	Polymeric nanoparticles and microparticles for the delivery of peptides, biologics, and soluble therapeutics. <i>Journal of Controlled Release</i> , 2015, 219, 519-535.	4.8	129
98	Summary Report of PQRI Workshop on Nanomaterial in Drug Products: Current Experience and Management of Potential Risks. <i>AAPS Journal</i> , 2015, 17, 44-64.	2.2	20
99	Gelation Chemistries for the Encapsulation of Nanoparticles in Composite Gel Microparticles for Lung Imaging and Drug Delivery. <i>Biomacromolecules</i> , 2014, 15, 252-261.	2.6	19
100	Mechanism of Macromolecular Structure Evolution in Self-Assembled Lipid Nanoparticles for siRNA Delivery. <i>Langmuir</i> , 2014, 30, 4613-4622.	1.6	38
101	Rheology and Adhesion of Poly(acrylic acid)/Laponite Nanocomposite Hydrogels as Biocompatible Adhesives. <i>Langmuir</i> , 2014, 30, 1636-1642.	1.6	86
102	A one-step and scalable production route to metal nanocatalyst supported polymer nanospheres via flash nanoprecipitation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17286-17290.	5.2	30
103	Microencapsulation of Aqueous Compounds Using Hexamethylenediamine and Trimesoyl Chloride: Monodisperse Capsule Formation and Reaction Conditions on Membrane Properties. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 8484-8492.	1.8	7
104	Composite Fluorescent Nanoparticles for Biomedical Imaging. <i>Molecular Imaging and Biology</i> , 2014, 16, 180-188.	1.3	19
105	Optimal structural design of mannosylated nanocarriers for macrophage targeting. <i>Journal of Controlled Release</i> , 2014, 194, 341-349.	4.8	40
106	Amphiphilic Nanoparticles Repress Macrophage Atherogenesis: Novel Core/Shell Designs for Scavenger Receptor Targeting and Down-Regulation. <i>Molecular Pharmaceutics</i> , 2014, 11, 2815-2824.	2.3	29
107	Aerosol Delivery of Nanoparticles in Uniform Mannitol Carriers Formulated by Ultrasonic Spray Freeze Drying. <i>Pharmaceutical Research</i> , 2013, 30, 2891-2901.	1.7	55
108	Effervescent redispersion of lyophilized polymeric nanoparticles. <i>Therapeutic Delivery</i> , 2013, 4, 177-190.	1.2	4

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109	Optimization of cell receptor-specific targeting through multivalent surface decoration of polymeric nanocarriers. <i>Journal of Controlled Release</i> , 2013, 168, 41-49.	4.8	67
110	An "off-the-shelf" capillary microfluidic device that enables tuning of the droplet breakup regime at constant flow rates. <i>Lab on A Chip</i> , 2013, 13, 4507.	3.1	67
111	Formation of Stable Nanocarriers by <i>in Situ</i> Ion Pairing during Block-Copolymer-Directed Rapid Precipitation. <i>Molecular Pharmaceutics</i> , 2013, 10, 319-328.	2.3	80
112	Host-guest chemistry of linked β -cyclodextrin trimers and adamantyl substituted poly(acrylate)s in aqueous solution. <i>Polymer Chemistry</i> , 2013, 4, 820-829.	1.9	15
113	Review of Long-Wavelength Optical and NIR Imaging Materials: Contrast Agents, Fluorophores, and Multifunctional Nano Carriers. <i>Chemistry of Materials</i> , 2012, 24, 812-827.	3.2	605
114	Cross-Linking Protein Glutathionylation Mediated by O ₂ -Arylated Bis-Diazoniumdiolate "Double JS" Chemical Research in Toxicology, 2012, 25, 2670-2677.	1.7	5
115	Highly loaded nanoparticulate formulation of progesterone for emergency traumatic brain injury treatment. <i>Therapeutic Delivery</i> , 2012, 3, 1269-1279.	1.2	15
116	Flash nanoprecipitation of polystyrene nanoparticles. <i>Soft Matter</i> , 2012, 8, 86-93.	1.2	161
117	Using Light to Covalently Immobilize and Patterning Nanoparticles onto Surfaces. <i>Langmuir</i> , 2012, 28, 10934-10941.	1.6	6
118	Effects of block copolymer properties on nanocarrier protection from in vivo clearance. <i>Journal of Controlled Release</i> , 2012, 162, 208-217.	4.8	81
119	Strain-induced crystallization and mechanical properties of functionalized graphene sheet-filled natural rubber. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 718-723.	2.4	94
120	Multifunctional elastomer nanocomposites with functionalized graphene single sheets. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 910-916.	2.4	88
121	Synthesis and Evaluation of Clickable Block Copolymers for Targeted Nanoparticle Drug Delivery. <i>Molecular Pharmaceutics</i> , 2012, 9, 2228-2236.	2.3	25
122	Improvement of oil flowability by assembly of comb-type copolymers with paraffin and asphaltene. <i>AIChE Journal</i> , 2012, 58, 2254-2261.	1.8	39
123	Nanoparticles as delivery vehicles for sunscreen agents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 396, 122-129.	2.3	82
124	Constant size, variable density aerosol particles by ultrasonic spray freeze drying. <i>International Journal of Pharmaceutics</i> , 2012, 427, 185-191.	2.6	63
125	Kinetically Assembled Nanoparticles of Bioactive Macromolecules Exhibit Enhanced Stability and Cell-Targeted Biological Efficacy. <i>Advanced Materials</i> , 2012, 24, 733-739.	11.1	52
126	Aggregation of Hydrophobic Substituents of Poly(acrylate)s and Their Competitive Complexation by β - and γ -Cyclodextrins and Their Linked Dimers in Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 7566-7571.	1.8	9

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127	Aggregation and Host-Guest Interactions in Dansyl-Substituted Poly(acrylate)s in the Presence of β -Cyclodextrin and a β -Cyclodextrin Dimer in Aqueous Solution: A UV-Vis, Fluorescence, ^1H NMR, and Rheological Study. <i>Macromolecules</i> , 2011, 44, 9782-9791.	2.2	20
128	Block Copolymer Nanoparticles as Nanobeads for the Polymerase Chain Reaction. <i>Nano Letters</i> , 2011, 11, 1723-1726.	4.5	8
129	Enhanced dissolution of inhalable cyclosporine nano-matrix particles with mannitol as matrix former. <i>International Journal of Pharmaceutics</i> , 2011, 420, 34-42.	2.6	67
130	Photocrosslinking the polystyrene core of block-copolymer nanoparticles. <i>Polymer Chemistry</i> , 2011, 2, 665-671.	1.9	12
131	Flow Improvement of Waxy Oils by Modulating Long-Chain Paraffin Crystallization with Comb Polymers: An Observation by X-ray Diffraction. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 316-321.	1.8	27
132	Controlling drug nanoparticle formation by rapid precipitation. <i>Advanced Drug Delivery Reviews</i> , 2011, 63, 417-426.	6.6	317
133	Self-assembling process of flash nanoprecipitation in a multi-inlet vortex mixer to produce drug-loaded polymeric nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011, 13, 4109-4120.	0.8	101
134	Pegylated Composite Nanoparticles Containing Upconverting Phosphors and <i>meso</i> -Tetraphenyl porphine (TPP) for Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2011, 21, 2488-2495.	7.8	172
135	Synthesis of Stable Block-Copolymer-Protected $\text{NaYF}_4:\text{Yb}_3, \text{Er}_3$ Up-Converting Phosphor Nanoparticles. <i>Chemistry of Materials</i> , 2010, 22, 311-318.	3.2	137
136	Polymers in Nano Pharmaceutical Materials. <i>ACS Symposium Series</i> , 2010, , 25-45.	0.5	0
137	Deposition apparatus to study the effects of polymers and asphaltenes upon wax deposition. <i>Journal of Petroleum Science and Engineering</i> , 2010, 72, 166-174.	2.1	38
138	Tunable polymeric hydrogels assembled by competitive complexation between cyclodextrin dimers and adamantyl substituted poly(acrylate)s. <i>AIChE Journal</i> , 2010, 56, 3021-3024.	1.8	12
139	Tailoring Polymeric Hydrogels through Cyclodextrin Host-Guest Complexation. <i>Macromolecular Rapid Communications</i> , 2010, 31, 300-304.	2.0	31
140	Block copolymer surface coverage on nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 360, 105-110.	2.3	35
141	Steric effects and competitive intra- and intermolecular host-guest complexation between β -cyclodextrin and adamantyl substituted poly(acrylate)s in water: A ^1H NMR, rheological and preparative study. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 1818-1825.	2.4	8
142	Fluorescent Polymeric Nanoparticles: Aggregation and Phase Behavior of Pyrene and Amphotericin B Molecules in Nanoparticle Cores. <i>Small</i> , 2010, 6, 2907-2914.	5.2	61
143	Novel Method for Concentrating and Drying Polymeric Nanoparticles: Hydrogen Bonding Coacervate Precipitation. <i>Molecular Pharmaceutics</i> , 2010, 7, 557-564.	2.3	34
144	OPTIMIZED DESCRIPTIVE MODEL FOR MICROMIXING IN A VORTEX MIXER. <i>Chemical Engineering Communications</i> , 2010, 197, 1068-1075.	1.5	27

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145	Polymeric Networks Assembled by Adamantyl and β -Cyclodextrin Substituted Poly(acrylate)s: Host-Guest Interactions, and the Effects of Ionic Strength and Extent of Substitution. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 609-612.	1.8	34
146	Stabilization of the Nitric Oxide (NO) Prodrugs and Anticancer Leads, PABA/NO and Double JS-K, through Incorporation into PEG-Protected Nanoparticles. <i>Molecular Pharmaceutics</i> , 2010, 7, 291-298.	2.3	84
147	Generic Method of Preparing Multifunctional Fluorescent Nanoparticles Using Flash NanoPrecipitation. <i>Advanced Functional Materials</i> , 2009, 19, 718-725.	7.8	137
148	Nanoparticle stability: Processing pathways for solvent removal. <i>Chemical Engineering Science</i> , 2009, 64, 1358-1361.	1.9	43
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