

Gleb B Sukhorukov

List of Publications by Year in descending order

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304
papers

31,736
citations

5430

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h-index

5347

170
g-index

309
all docs

309
docs citations

309
times ranked

25596
citing authors

#	ARTICLE	IF	CITATIONS
1	Composite magnetic/polymer delivery systems for medical applications. , 2022, , 425-436.		0
2	Bifunctional luminescent-magnetic composite particles synthesis. Materials Letters, 2022, 314, 131831.	1.3	0
3	Printed asymmetric microcapsules: Facile loading and multiple stimuli-responsiveness. , 2022, 136, 212762.		4
4	Optimization of Zn ²⁺ /Mn ferrite nanoparticles for low frequency hyperthermia: Exploiting the potential of superquadratic field dependence of magnetothermal response. Applied Physics Letters, 2022, 120, 102403.	1.5	8
5	Evaluation of photocytotoxicity liposomal form of furanocoumarins Sosnowsky's hogweed. Chemico-Biological Interactions, 2022, 357, 109880.	1.7	6
6	Smart Poly(lactic Acid) Films with Ceftriaxone Loaded Microchamber Arrays for Personalized Antibiotic Therapy. Pharmaceutics, 2022, 14, 42.	2.0	7
7	Magnetic Hyperthermia Nanoarchitectonics via Iron Oxide Nanoparticles Stabilised by Oleic Acid: Anti-Tumour Efficiency and Safety Evaluation in Animals with Transplanted Carcinoma. International Journal of Molecular Sciences, 2022, 23, 4234.	1.8	19
8	Incorporation of Perovskite Nanocrystals into Polymer Matrix for Enhanced Stability in Biological Media: <i>In Vitro</i> and <i>In Vivo</i> Studies. ACS Applied Bio Materials, 2022, 5, 2411-2420.	2.3	6
9	Integrated binary hologram to monitor cargo release from a drug-eluting film. Light Advanced Manufacturing, 2022, 3, 1.	2.2	2
10	Renal Artery Catheterization for Microcapsules TM Targeted Delivery to the Mouse Kidney. Pharmaceutics, 2022, 14, 1056.	2.0	5
11	Target delivery of drug carriers in mice kidney glomeruli via renal artery. Balance between efficiency and safety. Journal of Controlled Release, 2021, 329, 175-190.	4.8	20
12	High-fluorescent product of folic acid photodegradation: Optical properties and cell effect. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 407, 113045.	2.0	4
13	Layer-by-Layer Assembled Capsule Size Affects the Efficiency of Packaging and Delivery of Different Genetic Cargo. Particle and Particle Systems Characterization, 2021, 38, 2000228.	1.2	11
14	Biodegradable Defined Shaped Printed Polymer Microcapsules for Drug Delivery. ACS Applied Materials & Interfaces, 2021, 13, 2371-2381.	4.0	17
15	Layer-by-Layer technique as a versatile tool for gene delivery applications. Expert Opinion on Drug Delivery, 2021, 18, 1047-1066.	2.4	17
16	Enhanced cytotoxicity caused by AC magnetic field for polymer microcapsules containing packed magnetic nanoparticles. Colloids and Surfaces B: Biointerfaces, 2021, 199, 111548.	2.5	18
17	Fluorescent Convertible Capsule Coding Systems for Individual Cell Labeling and Tracking. ACS Applied Materials & Interfaces, 2021, 13, 19701-19709.	4.0	8
18	Micro-sized "pelmeni" - A universal microencapsulation approach overview. Materials and Design, 2021, 202, 109527.	3.3	16

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19	Optical coherence microangiography of the mouse kidney for diagnosis of circulatory disorders. <i>Biomedical Optics Express</i> , 2021, 12, 4467.	1.5	6
20	Boosting transfection efficiency: A systematic study using layer-by-layer based gene delivery platform. <i>Materials Science and Engineering C</i> , 2021, 126, 112161.	3.8	7
21	Patterned Drug-Eluting Coatings for Tracheal Stents Based on PLA, PLGA, and PCL for the Granulation Formation Reduction: In Vivo Studies. <i>Pharmaceutics</i> , 2021, 13, 1437.	2.0	19
22	Low intensity focused ultrasound responsive microcapsules for non-ablative ultrafast intracellular release of small molecules. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2384-2393.	2.9	8
23	Biodegradable Microcapsules Loaded with Nerve Growth Factor Enable Neurite Guidance and Synapse Formation. <i>Pharmaceutics</i> , 2021, 13, 25.	2.0	9
24	Magnetic Patterning of Tissue Spheroids Using Polymer Microcapsules Containing Iron Oxide Nanoparticles. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 5206-5214.	2.6	10
25	A method of drug delivery to tumors based on rapidly biodegradable drug-loaded containers. <i>Applied Materials Today</i> , 2021, 25, 101199.	2.3	17
26	Synthesis, Drug Release, and Antibacterial Properties of Novel Dendritic CHX-SrCl ₂ and CHX-ZnCl ₂ Particles. <i>Pharmaceutics</i> , 2021, 13, 1799.	2.0	3
27	Controlled release of $\hat{\pm}$ -amylase from microchamber arrays containing carbon nanoparticle aggregates. <i>Mendeleviev Communications</i> , 2021, 31, 869-871.	0.6	4
28	Biomimetic drug delivery platforms based on mesenchymal stem cells impregnated with light-responsive submicron sized carriers. <i>Biomaterials Science</i> , 2020, 8, 1137-1147.	2.6	36
29	Biodegradable Nanocarriers Resembling Extracellular Vesicles Deliver Genetic Material with the Highest Efficiency to Various Cell Types. <i>Small</i> , 2020, 16, e1904880.	5.2	25
30	Effect of Systemic Polyelectrolyte Microcapsule Administration on the Blood Flow Dynamics of Vital Organs. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 389-397.	2.6	23
31	Carbon Nanoparticles and Materials on Their Basis. <i>Colloids and Interfaces</i> , 2020, 4, 42.	0.9	7
32	Site-specific release of reactive oxygen species from ordered arrays of microchambers based on polylactic acid and carbon nanodots. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7977-7986.	2.9	7
33	A highly efficient and safe gene delivery platform based on polyelectrolyte core-shell nanoparticles for hard-to-transfect clinically relevant cell types. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9576-9588.	2.9	23
34	Polylactic Acid-Based Patterned Matrixes for Site-Specific Delivery of Neuropeptides On-Demand: Functional NGF Effects on Human Neuronal Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 497.	2.0	8
35	Magnetically responsive layer-by-layer microcapsules can be retained in cells and under flow conditions to promote local drug release without triggering ROS production. <i>Nanoscale</i> , 2020, 12, 7735-7748.	2.8	18
36	An Ultrawideband Conformal Antenna for Implantable Drug Delivery Device. , 2020, , .		1

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37	Microchamber arrays made of biodegradable polymers for enzymatic release of small hydrophilic cargos. <i>Soft Matter</i> , 2020, 16, 2266-2275.	1.2	18
38	pH dependent degradation properties of lactide based 3D microchamber arrays for sustained cargo release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110826.	2.5	11
39	Laser-triggered drug release from polymeric 3-D micro-structured films via optical fibers. <i>Materials Science and Engineering C</i> , 2020, 110, 110664.	3.8	19
40	Stimuli-Responsive Microarray Films for Real-Time Sensing of Surrounding Media, Temperature, and Solution Properties via Diffraction Patterns. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19080-19091.	4.0	23
41	Endovascular addressing improves the effectiveness of magnetic targeting of drug carrier. Comparison with the conventional administration method. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 28, 102184.	1.7	33
42	Electrically Induced Opening of Composite PLA/SWCNT Microchambers for Implantable Drug Depot Systems. <i>Izvestiya of Saratov University, New Series: Physics</i> , 2020, 20, 311-314.	0.1	0
43	Submicron-Sized Nanocomposite Magnetic-Sensitive Carriers: Controllable Organ Distribution and Biological Effects. <i>Polymers</i> , 2019, 11, 1082.	2.0	24
44	Radio frequency controlled wireless drug delivery devices. <i>Applied Physics Reviews</i> , 2019, 6, .	5.5	35
45	Luminescent carbon nanoparticles separation and purification. <i>Advances in Colloid and Interface Science</i> , 2019, 274, 102043.	7.0	25
46	The Future of Layer-by-Layer Assembly: A Tribute to <i>ACS Nano</i> Associate Editor Helmuth MÄ¶hwald. <i>ACS Nano</i> , 2019, 13, 6151-6169.	7.3	211
47	Focused ultrasound-mediated fluorescence of composite microcapsules loaded with magnetite nanoparticles: In vitro and in vivo study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 680-687.	2.5	31
48	Piezoelectric Response in Hybrid Micropillar Arrays of Poly(Vinylidene Fluoride) and Reduced Graphene Oxide. <i>Polymers</i> , 2019, 11, 1065.	2.0	28
49	One step hydrothermal functionalization of gold nanoparticles with folic acid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 533-538.	2.5	6
50	Safe and Effective Delivery of Antitumor Drug Using Mesenchymal Stem Cells Impregnated with Submicron Carriers. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13091-13104.	4.0	43
51	Composite multilayer films based on polyelectrolytes and in situ â€œformed carbon nanostructures with enhanced photoluminescence and conductivity properties. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47718.	1.3	9
52	Polymer microchamber arrays for geometry-controlled drug release: a functional study in human cells of neuronal phenotype. <i>Biomaterials Science</i> , 2019, 7, 2358-2371.	2.6	24
53	Multilayer Capsules Inside Biological Systems: State-of-the-Art and Open Challenges. <i>Langmuir</i> , 2019, 35, 4747-4762.	1.6	40
54	A Simple Non-Invasive Approach toward Efficient Transdermal Drug Delivery Based on Biodegradable Particulate System. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17270-17282.	4.0	51

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55	Free-standing microchamber arrays as a biodegradable drug depot system for implant coatings. <i>European Polymer Journal</i> , 2019, 114, 72-80.	2.6	28
56	Thickness of Polyelectrolyte Layers of Separately Confined Bacteria Alters Key Physiological Parameters on a Single Cell Level. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 378.	2.0	10
57	Magnetically targetable microcapsules display subtle changes in permeability and drug release in response to a biologically compatible low frequency alternating magnetic field. <i>Materials Science and Engineering C</i> , 2019, 94, 647-655.	3.8	33
58	Polylactic acid sealed polyelectrolyte complex microcontainers for controlled encapsulation and NIR-Laser based release of cargo. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 521-528.	2.5	18
59	Polyelectrolyte-Graphene Oxide Multilayer Composites for Array of Microchambers which are Mechanically Robust and Responsive to NIR Light. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1700868.	2.0	21
60	Controlled release of chlorhexidine from a HEMA-UDMA resin using a magnetic field. <i>Dental Materials</i> , 2018, 34, 764-775.	1.6	9
61	In-situ NIR-laser mediated bioactive substance delivery to single cell for EGFP expression based on biocompatible microchamber-arrays. <i>Journal of Controlled Release</i> , 2018, 276, 84-92.	4.8	37
62	Ceria Nanoparticles-Decorated Microcapsules as a Smart Drug Delivery/Protective System: Protection of Encapsulated <i>P. pyralis</i> Luciferase. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14367-14377.	4.0	39
63	A fabrication method of gold coated colloidosomes and their application as targeted drug carriers. <i>Soft Matter</i> , 2018, 14, 2594-2603.	1.2	19
64	Nano-engineered microcapsules boost the treatment of persistent pain. <i>Drug Delivery</i> , 2018, 25, 435-447.	2.5	18
65	Polyelectrolyte multilayer microchamber-arrays for in-situ cargo release: Low frequency vs. medical frequency range ultrasound. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 547, 19-27.	2.3	14
66	Micro-Patterned Polystyrene Sheets as Templates for Interlinked 3D Polyelectrolyte Multilayer Microstructures. <i>BioNanoScience</i> , 2018, 8, 654-660.	1.5	7
67	Protective composite silica/polyelectrolyte shell with enhanced tolerance to harsh acid and alkali conditions. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 198-207.	5.0	5
68	Efficient gene editing via non-viral delivery of CRISPR-Cas9 system using polymeric and hybrid microcarriers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 97-108.	1.7	99
69	Cell-Based Drug Delivery and Use of Nano and Microcarriers for Cell Functionalization. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700818.	3.9	75
70	Dispersion of optical and structural properties in gel column separated carbon nanoparticles. <i>Carbon</i> , 2018, 127, 541-547.	5.4	21
71	Carbon dot aggregates as an alternative to gold nanoparticles for the laser-induced opening of microchamber arrays. <i>Soft Matter</i> , 2018, 14, 9012-9019.	1.2	19
72	High-efficiency freezing-induced loading of inorganic nanoparticles and proteins into micron- and submicron-sized porous particles. <i>Scientific Reports</i> , 2018, 8, 17763.	1.6	58

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73	Effect of a Controlled Release of Epinephrine Hydrochloride from PLGA Microchamber Array: In Vivo Studies. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37855-37864.	4.0	30
74	Systemic Administration of Polyelectrolyte Microcapsules: Where Do They Accumulate and When? In Vivo and Ex Vivo Study. <i>Nanomaterials</i> , 2018, 8, 812.	1.9	28
75	Multifunctional Scaffolds with Improved Antimicrobial Properties and Osteogenicity Based on Piezoelectric Electrospun Fibers Decorated with Bioactive Composite Microcapsules. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34849-34868.	4.0	79
76	Visualising nanoscale restructuring of a cellular membrane triggered by polyelectrolyte microcapsules. <i>Nanoscale</i> , 2018, 10, 16902-16910.	2.8	12
77	Intracellular Delivery of Antioxidant CeO ₂ Nanoparticles via Polyelectrolyte Microcapsules. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2453-2462.	2.6	42
78	Use of Submicron Vaterite Particles Serves as an Effective Delivery Vehicle to the Respiratory Portion of the Lung. <i>Frontiers in Pharmacology</i> , 2018, 9, 559.	1.6	28
79	Transfer of cells with uptaken nanocomposite, magnetite-nanoparticle functionalized capsules with electromagnetic tweezers. <i>Biomaterials Science</i> , 2018, 6, 2219-2229.	2.6	34
80	Inhibition of influenza A virus by mixed siRNAs, targeting the PA, NP, and NS genes, delivered by hybrid microcarriers. <i>Antiviral Research</i> , 2018, 158, 147-160.	1.9	10
81	Optical monitoring of adipose tissue destruction under encapsulated lipase action. <i>Journal of Biophotonics</i> , 2018, 11, e201800058.	1.1	10
82	Live-Cell Imaging by Confocal Raman and Fluorescence Microscopy Recognizes the Crystal Structure of Calcium Carbonate Particles in HeLa Cells. <i>Biotechnology Journal</i> , 2018, 13, e1800071.	1.8	25
83	Multi-layer microcapsules: fresh insights and new applications. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 583-587.	2.4	59
84	Formulation for Oral Delivery of Lactoferrin Based on Bovine Serum Albumin and Tannic Acid Multilayer Microcapsules. <i>Scientific Reports</i> , 2017, 7, 44159.	1.6	71
85	In Vitro and in Vivo Visualization and Trapping of Fluorescent Magnetic Microcapsules in a Bloodstream. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6885-6893.	4.0	102
86	Intracellular Breakable and Ultrasound-Responsive Hybrid Microsized Containers for Selective Drug Release into Cancerous Cells. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1600417.	1.2	29
87	Carbon nanodots: Mechanisms of photoluminescence and principles of application. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 90, 27-37.	5.8	92
88	Synthesis of novel chlorhexidine spheres with controlled release from a UDMA-HEMA resin using ultrasound. <i>Dental Materials</i> , 2017, 33, 713-722.	1.6	17
89	Poly(lactic acid) Sealed Polyelectrolyte Multilayer Microchambers for Entrapment of Salts and Small Hydrophilic Molecules Precipitates. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 16536-16545.	4.0	44
90	Electrospun poly(lactic acid) fibers containing novel chlorhexidine particles with sustained antibacterial activity. <i>Biomaterials Science</i> , 2017, 5, 111-119.	2.6	36

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91	Poly(lactic acid) nano- and microchamber arrays for encapsulation of small hydrophilic molecules featuring drug release <i>via</i> high intensity focused ultrasound. <i>Nanoscale</i> , 2017, 9, 7063-7070.	2.8	59
92	Fabrication of PLA/CaCO ₃ hybrid micro-particles as carriers for water-soluble bioactive molecules. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 481-489.	2.5	17
93	Protein-tannic acid multilayer films: A multifunctional material for microencapsulation of food-derived bioactives. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 332-340.	5.0	48
94	Silver Alginate Hydrogel Micro- and Nanocontainers for Theranostics: Synthesis, Encapsulation, Remote Release, and Detection. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21949-21958.	4.0	60
95	Functional Silver-Coated Colloidosomes as Targeted Carriers for Small Molecules. <i>Langmuir</i> , 2017, 33, 3755-3764.	1.6	15
96	Hybrid inorganic-organic capsules for efficient intracellular delivery of novel siRNAs against influenza A (H1N1) virus infection. <i>Scientific Reports</i> , 2017, 7, 102.	1.6	41
97	A comparison study between electrospun polycaprolactone and piezoelectric poly(3-hydroxybutyrate-co-3-hydroxyvalerate) scaffolds for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 48-59.	2.5	103
98	Silver-Coated Colloidosomes as Carriers for an Anticancer Drug. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32599-32606.	4.0	23
99	Mesenchymal Stem Cells Engineering: Microcapsules-Assisted Gene Transfection and Magnetic Cell Separation. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 2314-2324.	2.6	20
100	Gold Nanorod Mediated Chlorhexidine Microparticle Formation and Near-Infrared Light Induced Release. <i>Langmuir</i> , 2017, 33, 7982-7993.	1.6	15
101	Inorganic/Organic Multilayer Capsule Composition for Improved Functionality and External Triggering. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600338.	1.9	53
102	Fabrication and characterization of novel multilayered structures by stereocomplexation of poly(D-lactic acid)/poly(L-lactic acid) and self-assembly of polyelectrolytes. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 81-90.	1.5	18
103	Novel Formulation of Chlorhexidine Spheres and Sustained Release with Multilayered Encapsulation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12652-12660.	4.0	26
104	The effect of gold nanoparticles on the impedance of microcapsules visualized by scanning photo-induced impedance microscopy. <i>Electrochimica Acta</i> , 2016, 208, 39-46.	2.6	25
105	<i>In Situ</i> Synthesis of Fluorescent Carbon Dots/Polyelectrolyte Nanocomposite Microcapsules with Reduced Permeability and Ultrasound Sensitivity. <i>ACS Nano</i> , 2016, 10, 9608-9615.	7.3	62
106	Triple-responsive inorganic-organic hybrid microcapsules as a biocompatible smart platform for the delivery of small molecules. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7270-7282.	2.9	28
107	Intracellular redox induced drug release in cancerous and mesenchymal stem cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 147, 450-458.	2.5	17
108	Mesenchymal Stem Cell Magnetization: Magnetic Multilayer Microcapsule Uptake, Toxicity, Impact on Functional Properties, and Perspectives for Magnetic Delivery. <i>Advanced Healthcare Materials</i> , 2016, 5, 3182-3190.	3.9	30

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109	Patterned Microstructure Fabrication: Polyelectrolyte Complexes vs Polyelectrolyte Multilayers. <i>Scientific Reports</i> , 2016, 6, 37000.	1.6	43
110	In vitro and in vivo MRI visualization of nanocomposite biodegradable microcapsules with tunable contrast. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32238-32246.	1.3	31
111	Multifunctional polyelectrolyte microcapsules as a contrast agent for photoacoustic imaging in blood. <i>Journal of Biophotonics</i> , 2016, 9, 792-799.	1.1	23
112	In vivo optical monitoring of transcutaneous delivery of calcium carbonate microcontainers. <i>Biomedical Optics Express</i> , 2016, 7, 2082.	1.5	36
113	The collision phenomena of Janus polymer micro-plate motors propelled by oscillating micro-bubbles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 510, 113-121.	2.3	17
114	Intracellularly Biodegradable Polyelectrolyte/Silica Composite Microcapsules as Carriers for Small Molecules. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9651-9661.	4.0	74
115	Bifunctional ultraviolet/ultrasound responsive composite TiO ₂ /polyelectrolyte microcapsules. <i>Nanoscale</i> , 2016, 8, 5170-5180.	2.8	64
116	Hollow silver alginate microspheres for drug delivery and surface enhanced Raman scattering detection. <i>RSC Advances</i> , 2016, 6, 20447-20452.	1.7	38
117	Local and Sustained Activity of Doxycycline Delivered with Layer-by-Layer Microcapsules. <i>Biomacromolecules</i> , 2016, 17, 1466-1476.	2.6	22
118	Self-propelled two dimensional polymer multilayer plate micromotors. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3397-3401.	1.3	33
119	Composite silica nanoparticle/polyelectrolyte microcapsules with reduced permeability and enhanced ultrasound sensitivity. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1888-1897.	2.9	57
120	Composite SERS-based satellites navigated by optical tweezers for single cell analysis. <i>Analyst</i> , The, 2015, 140, 4981-4986.	1.7	36
121	Multilayer Capsules of Bovine Serum Albumin and Tannic Acid for Controlled Release by Enzymatic Degradation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11732-11740.	4.0	139
122	Point-wise laser effect on NIH/3T3 cells impregnated with photosensitizer-loaded porous calcium carbonate microparticles. , 2015, , .		7
123	Controlled Release of C-Type Natriuretic Peptide by Microencapsulation Dampens Proinflammatory Effects Induced by IL-1 ^β in Cartilage Explants. <i>Biomacromolecules</i> , 2015, 16, 524-531.	2.6	15
124	Nanoplasmonic Chitosan Nanofibers as Effective SERS Substrate for Detection of Small Molecules. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15466-15473.	4.0	83
125	Layered polymeric capsules inhibiting the activity of RNases for intracellular delivery of messenger RNA. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5842-5848.	2.9	35
126	Improved and targeted delivery of bioactive molecules to cells with magnetic layer-by-layer assembled microcapsules. <i>Nanoscale</i> , 2015, 7, 9686-9693.	2.8	49

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127	Naturally inspired polyelectrolyte multilayer composite films synthesised through layer-by-layer assembly and chemically infiltrated with CaCO ₃ . Journal of Materials Chemistry B, 2015, 3, 4821-4830.	2.9	13
128	Alpha-2-macroglobulin loaded microcapsules enhance human leukocyte functions and innate immune response. Journal of Controlled Release, 2015, 217, 284-292.	4.8	24
129	Microcontact printing of polyelectrolyte multilayer thin films: Glassy-viscous flow transition based effects and hydration methods. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 483, 271-278.	2.3	12
130	Particle-Based Optical Sensing of Intracellular Ions at the Example of Calcium - What Are the Experimental Pitfalls?. Small, 2015, 11, 896-904.	5.2	27
131	The Influence of Hydroxyapatite and Calcium Carbonate Microparticles on the Mechanical Properties of Nonwoven Composite Materials Based on Polycaprolactone. BioNanoScience, 2015, 5, 22-30.	1.5	16
132	Editorial overview: New technologies: How to put everything you need in a tiny pack and track its delivery?. Current Opinion in Pharmacology, 2014, 18, vii-ix.	1.7	2
133	Microparticle alpha ₂ -macroglobulin enhances pro-resolving responses and promotes survival in sepsis. EMBO Molecular Medicine, 2014, 6, 27-42.	3.3	87
134	Magnetic Resonance Imaging for Monitoring of Magnetic Polyelectrolyte Capsule In Vivo Delivery. BioNanoScience, 2014, 4, 59-70.	1.5	20
135	UV light stimulated encapsulation and release by polyelectrolyte microcapsules. Advances in Colloid and Interface Science, 2014, 207, 280-289.	7.0	63
136	Overgrowth of Gold Nanorods by Using a Binary Surfactant Mixture. Langmuir, 2014, 30, 1696-1703.	1.6	93
137	Microcapsules functionalized with neuraminidase can enter vascular endothelial cells <i>in vitro</i> . Journal of the Royal Society Interface, 2014, 11, 20141027.	1.5	18
138	UV-induced disruption of microcapsules with azobenzene groups. Soft Matter, 2014, 10, 1384-1391.	1.2	52
139	Micropackaging via layer-by-layer assembly: microcapsules and microchamber arrays. International Materials Reviews, 2014, 59, 224-244.	9.4	49
140	Nanoencapsulated and microencapsulated SERS platforms for biomedical analysis. Current Opinion in Pharmacology, 2014, 18, 149-158.	1.7	13
141	Biofunctionalization of PEGylated Microcapsules for Exclusive Binding to Protein Substrates. Biomacromolecules, 2014, 15, 2555-2562.	2.6	20
142	Biocatalytic response of multi-layer assembled collagen/hyaluronic acid nanoengineered capsules. Journal of Microencapsulation, 2014, 31, 270-276.	1.2	11
143	Large-scale high-quality 2D silica crystals: dip-drawing formation and decoration with gold nanorods and nanospheres for SERS analysis. Nanotechnology, 2014, 25, 405602.	1.3	18
144	Photolysis Triggered Sealing of Multilayer Capsules to Entrap Small Molecules. ACS Applied Materials & Interfaces, 2013, 5, 6723-6731.	4.0	17

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145	Lessons in Microcapsule Assembly from Imaging Delivery of a Bioluminescent Enzyme. <i>Biomacromolecules</i> , 2013, 14, 608-612.	2.6	10
146	Layer-by-Layer Assembled Multilayer Shells for Encapsulation and Release of Fragrance. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 8948-8954.	4.0	74
147	Location of molecules in layer-by-layer assembled microcapsules influences activity, cell delivery and susceptibility to enzyme degradation. <i>Journal of Controlled Release</i> , 2013, 172, 22-29.	4.8	25
148	Magnetically Engineered Microcapsules as Intracellular Anchors for Remote Control Over Cellular Mobility. <i>Advanced Materials</i> , 2013, 25, 6945-6950.	11.1	63
149	Externally Triggered Dual Function of Complex Microcapsules. <i>ACS Nano</i> , 2013, 7, 8693-8705.	7.3	44
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302	Proton-induced conformation changes and sensoric properties of polycytidilic acid immobilized in Langmuir and polyelectrolyte multilayer films. <i>Materials Science and Engineering C</i> , 1998, 5, 275-279.	3.8	7
303	Novel Hollow Polymer Shells by Colloid-Templated Assembly of Polyelectrolytes. , 1998, 37, 2201.		34
304	Multilayer films containing immobilized nucleic acids. Their structure and possibilities in biosensor applications. <i>Biosensors and Bioelectronics</i> , 1996, 11, 913-922.	5.3	118