

Mikko Karttunen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

391
papers

18,777
citations

71
h-index

123
g-index

431
ext. papers

21,630
ext. citations

6.7
avg, IF

7.18
L-index

#	Paper	IF	Citations
391	Elucidating functional epitopes within the N-terminal region of malaria transmission blocking vaccine antigen Pfs230.. <i>Npj Vaccines</i> , 2022 , 7, 4	9.5	2
390	Light-Triggered Efficient Sequential Drug Delivery of Biomimetic Nanosystem for Multimodal Chemo-, Antiangiogenic, and Anti-MDSC Therapy in Melanoma.. <i>Advanced Materials</i> , 2022 , e2106682	24	11
389	Computer Simulations of Deep Eutectic Solvents: Challenges, Solutions, and Perspectives.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	4
388	SymPhas General Purpose Software for Phase-Field, Phase-Field Crystal, and Reaction-Diffusion Simulations. <i>Advanced Theory and Simulations</i> , 2022 , 5, 2100351	3.5	1
387	Secretions from hypochlorous acid-treated tumor cells delivered in a melittin hydrogel potentiate cancer immunotherapy. <i>Bioactive Materials</i> , 2022 , 9, 541-553	16.7	3
386	Anti-cancer liposomal chemophototherapy using bilayer-localized photosensitizer and cabazitaxel. <i>Nano Research</i> , 2022 , 15, 4302	10	0
385	Single-treatment tumor ablation with photodynamic liposomal irinotecan sucrosulfate.. <i>Translational Oncology</i> , 2022 , 19, 101390	4.9	1
384	Microparticles: biogenesis, characteristics and intervention therapy for cancers in preclinical and clinical research.. <i>Journal of Nanobiotechnology</i> , 2022 , 20, 189	9.4	0
383	Collective interactions among organometallics are exotic bonds hidden on lab shelves.. <i>Nature Communications</i> , 2022 , 13, 2069	17.4	4
382	Fullerenes Interactions with Plasma Membranes: Insight from the MD Simulations. <i>Biomolecules</i> , 2022 , 12, 639	5.9	0
381	Advanced Materials for SARS-CoV-2 Vaccines. <i>Advanced Materials</i> , 2021 , e2107781	24	5
380	Magnetic Metal Micelles for Enhanced Delivery of Self-Immolating CD8+ T-Cell Epitopes for Cancer Immunotherapy. <i>Chemistry of Materials</i> , 2021 , 33, 9780-9794	9.6	2
379	Traceless antibiotic-crosslinked micelles for rapid clearance of intracellular bacteria. <i>Journal of Controlled Release</i> , 2021 , 341, 329-340	11.7	6
378	Fine-Tuning the Polarizable CL&Pol Force Field for the Deep Eutectic Solvent Ethaline. <i>Journal of Chemical Information and Modeling</i> , 2021 ,	6.1	1
377	Nanocomposite of Fullerenes and Natural Rubbers: MARTINI Force Field Molecular Dynamics Simulations. <i>Polymers</i> , 2021 , 13,	4.5	2
376	Functional Oligomeric Forms of Uncoupling Protein 2: Strong Evidence for Asymmetry in Protein and Lipid Bilayer Systems. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 169-183	3.4	5
375	Biomimetic Liposomal Nanoplatinum for Targeted Cancer Chemophototherapy. <i>Advanced Science</i> , 2021 , 8, 2003679	13.6	28

374	Delivery Strategies for Melittin-Based Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 17158-17173	9.5	6
373	Exploring the Conformational Landscape of the Neh4 and Neh5 Domains of Nrf2 Using Two Different Force Fields and Circular Dichroism. <i>Journal of Chemical Theory and Computation</i> , 2021 , 17, 3145-3156	6.4	6
372	Design of a Thiol-Responsive, Traceless Prodrug with Rapid Self-Immolation for Cancer Chemotherapy. <i>ACS Applied Bio Materials</i> , 2021 , 4, 4982-4989	4.1	4
371	KEAP1 Cancer Mutants: A Large-Scale Molecular Dynamics Study of Protein Stability. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
370	A liposome-displayed hemagglutinin vaccine platform protects mice and ferrets from heterologous influenza virus challenge. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
369	Cross-linked Histone as a Nanocarrier for Gut Delivery of Hydrophobic Cargos. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 26712-26720	9.5	1
368	Influenza Virus Infects and Depletes Activated Adaptive Immune Responders. <i>Advanced Science</i> , 2021 , 8, e2100693	13.6	2
367	Silica-silicon composites for near-infrared reflection: A comprehensive computational and experimental study. <i>Ceramics International</i> , 2021 , 47, 16833-16840	5.1	2
366	Metal Phenolic Network-Integrated Multistage Nanosystem for Enhanced Drug Delivery to Solid Tumors. <i>Small</i> , 2021 , 17, e2100789	11	3
365	Role of intravital imaging in nanomedicine-assisted anti-cancer therapy. <i>Current Opinion in Biotechnology</i> , 2021 , 69, 153-161	11.4	3
364	Surfactant-Stripped Micelles with Aggregation-Induced Enhanced Emission for Bimodal Gut Imaging In Vivo and Microbiota Tagging Ex Vivo. <i>Advanced Healthcare Materials</i> , 2021 , e2100356	10.1	4
363	Targeted Micellar Phthalocyanine for Lymph Node Metastasis Homing and Photothermal Therapy in an Orthotopic Colorectal Tumor Model. <i>Nano-Micro Letters</i> , 2021 , 13, 145	19.5	4
362	Engineered Nanoparticle Applications for Recombinant Influenza Vaccines. <i>Molecular Pharmaceutics</i> , 2021 , 18, 576-592	5.6	5
361	Role of nanoparticle-mediated immunogenic cell death in cancer immunotherapy. <i>Asian Journal of Pharmaceutical Sciences</i> , 2021 , 16, 129-132	9	26
360	Labeling of Erythrocytes by Porphyrin-Phospholipid. <i>Advanced NanoBiomed Research</i> , 2021 , 1, 2000013	0	1
359	Local biomaterial-assisted antitumour immunotherapy for effusions in the pleural and peritoneal cavities caused by malignancies. <i>Biomaterials Science</i> , 2021 , 9, 6381-6390	7.4	1
358	and design of cordycepin encapsulation in liposomes for colon cancer treatment. <i>RSC Advances</i> , 2021 , 11, 8475-8484	3.7	4
357	Experimental and Computational Observations of Immunogenic Cobalt Porphyrin Lipid Bilayers: Nanodomain-Enhanced Antigen Association. <i>Pharmaceutics</i> , 2021 , 13,	6.4	7

356	How to control interactions of cellulose-based biomaterials with skin: the role of acidity in the contact area. <i>Soft Matter</i> , 2021 , 17, 6507-6518	3.6	2
355	Electromagnetic response of nanoparticles with a metallic core and a semiconductor shell. <i>Journal of Physics Communications</i> , 2021 , 5, 015002	1.2	0
354	Antibiotic Cross-linked Micelles with Reduced Toxicity for Multidrug-Resistant Bacterial Sepsis Treatment. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 9630-9642	9.5	10
353	A Potent Cancer Vaccine Adjuvant System for Particleization of Short, Synthetic CD8 T Cell Epitopes. <i>ACS Nano</i> , 2021 , 15, 4357-4371	16.7	15
352	Fast Stereolithography Printing of Large-Scale Biocompatible Hydrogel Models. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2002103	10.1	16
351	Excretable, ultrasmall hexagonal NaGdF:Yb50% nanoparticles for bimodal imaging and radiosensitization. <i>Cancer Nanotechnology</i> , 2021 , 12, 4	7.9	1
350	HPV-Associated Tumor Eradication by Vaccination with Synthetic Short Peptides and Particle-Forming Liposomes. <i>Small</i> , 2021 , 17, e2007165	11	7
349	Trans-illumination intestine projection imaging of intestinal motility in mice. <i>Nature Communications</i> , 2021 , 12, 1682	17.4	1
348	Light-Triggered Release of Large Biomacromolecules from Porphyrin-Phospholipid Liposomes. <i>Langmuir</i> , 2021 , 37, 10859-10865	4	3
347	Biphasic Proton Transport Mechanism for Uncoupling Proteins. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 9130-9144	3.4	4
346	Polymerizable Choline- and Imidazolium-Based Ionic Liquids Reinforced with Bacterial Cellulose for 3D-Printing. <i>Polymers</i> , 2021 , 13,	4.5	3
345	Role of cholesterol flip-flop in oxidized lipid bilayers. <i>Biophysical Journal</i> , 2021 , 120, 4525-4535	2.9	1
344	Development of coarse-grained force field to investigate sodium-ion transport mechanisms in cyanoborate-based ionic liquid. <i>Journal of Molecular Liquids</i> , 2021 , 338, 116648	6	2
343	A sulfobetaine zwitterionic polymer-drug conjugate for multivalent paclitaxel and gemcitabine co-delivery. <i>Biomaterials Science</i> , 2021 , 9, 5000-5010	7.4	5
342	Two Laser Treatments Can Improve Tumor Ablation Efficiency of Chemophototherapy.. <i>Pharmaceutics</i> , 2021 , 13,	6.4	2
341	Vaccines: SARS-CoV-2 RBD Neutralizing Antibody Induction is Enhanced by Particulate Vaccination (Adv. Mater. 50/2020). <i>Advanced Materials</i> , 2020 , 32, 2070373	24	0
340	Insights into the Polyhexamethylene Biguanide (PHMB) Mechanism of Action on Bacterial Membrane and DNA: A Molecular Dynamics Study. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 4487-4497 ³⁻⁴	11.5	21
339	Nanobowl-Supported Liposomes Improve Drug Loading and Delivery. <i>Nano Letters</i> , 2020 , 20, 4177-4187 ^{11.5}	11.5	41

338	Relieving immunosuppression during long-term anti-angiogenesis therapy using photodynamic therapy and oxygen delivery. <i>Nanoscale</i> , 2020 , 12, 14788-14800	7.7	8
337	Influence of Calcium Binding on Conformations and Motions of Anionic Polyamino Acids. Effect of Side Chain Length. <i>Polymers</i> , 2020 , 12,	4.5	3
336	Irradiated tumor cell-derived microparticles mediate tumor eradication via cell killing and immune reprogramming. <i>Science Advances</i> , 2020 , 6, eaay9789	14.3	52
335	Symmetry-breaking transitions in the early steps of protein self-assembly. <i>European Biophysics Journal</i> , 2020 , 49, 175-191	1.9	19
334	Surfactant-Stripped Cabazitaxel Micelles Stabilized by Clotrimazole or Mifepristone. <i>Advanced Therapeutics</i> , 2020 , 3, 1900161	4.9	4
333	Targeting CAMKII to reprogram tumor-associated macrophages and inhibit tumor cells for cancer immunotherapy with an injectable hybrid peptide hydrogel. <i>Theranostics</i> , 2020 , 10, 3049-3063	12.1	34
332	Formation of aggregates, icosahedral structures and percolation clusters of fullerenes in lipids bilayers: The key role of lipid saturation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020 , 1862, 1833-1848	3.8	6
331	Coll Complexes as Liposomal CEST Agents. <i>Angewandte Chemie</i> , 2020 , 132, 12191-12195	3.6	4
330	Photoactivation of sulfonated polyplexes enables localized gene silencing by DsiRNA in breast cancer cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 26, 102176	6	1
329	Antibody response of a particle-inducing, liposome vaccine adjuvant admixed with a Pfs230 fragment. <i>Npj Vaccines</i> , 2020 , 5, 23	9.5	17
328	Co Complexes as Liposomal CEST Agents. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12093-12097	10.7	5
327	Manipulation of Diatomic Molecules with Oriented External Electric Fields: Linear Correlations in Atomic Properties Lead to Nonlinear Molecular Responses. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 4720-4731	2.8	10
326	Inhibition of SARS-CoV-2 viral entry upon blocking N- and O-glycan elaboration. <i>ELife</i> , 2020 , 9,	8.9	76
325	Self-Assembly of Phosphocholine Derivatives Using the ELBA Coarse-Grained Model: Micelles, Bicelles, and Reverse Micelles. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 522-536	6.1	6
324	Grafted Dipolar Chains: Dipoles and Restricted Freedom Lead to Unexpected Hairpins. <i>Macromolecules</i> , 2020 , 53, 29-38	5.5	6
323	Coarse-grained modeling of cell division in 3D: influence of density, medium viscosity, and inter-membrane friction on cell growth and nearest neighbor distribution. <i>Soft Materials</i> , 2020 , 18, 150-162	1.7	1
322	Immunogenicity of the Lyme disease antigen OspA, particleized by cobalt porphyrin-phospholipid liposomes. <i>Vaccine</i> , 2020 , 38, 942-950	4.1	10
321	Photoactivatable Drug Release Methods from Liposomes 2020 , 433-449		

3 ²⁰	An Engineered Biomimetic MPER Peptide Vaccine Induces Weakly HIV Neutralizing Antibodies in Mice. <i>Annals of Biomedical Engineering</i> , 2020 , 48, 1991-2001	4.7	9
3 ¹⁹	Overbinding and Qualitative and Quantitative Changes Caused by Simple Na and K Ions in Polyelectrolyte Simulations: Comparison of Force Fields with and without NBFIX and ECC Corrections. <i>Journal of Chemical Theory and Computation</i> , 2020 , 16, 677-687	6.4	15
3 ¹⁸	Cholesterol sequestration by xenon nano bubbles leads to lipid raft destabilization. <i>Soft Matter</i> , 2020 , 16, 9655-9661	3.6	1
3 ¹⁷	Lyophilized, antigen-bound liposomes with reduced MPLA and enhanced thermostability. <i>International Journal of Pharmaceutics</i> , 2020 , 589, 119843	6.5	9
3 ¹⁶	Clinical development and potential of photothermal and photodynamic therapies for cancer. <i>Nature Reviews Clinical Oncology</i> , 2020 , 17, 657-674	19.4	57 ⁰
3 ¹⁵	USP7 targeting modulates anti-tumor immune response by reprogramming Tumor-associated Macrophages in Lung Cancer. <i>Theranostics</i> , 2020 , 10, 9332-9347	12.1	26
3 ¹⁴	Directing near-infrared photon transport with core@shell particles. <i>AIP Advances</i> , 2020 , 10, 095128	1.5	2
3 ¹³	SARS-CoV-2 RBD Neutralizing Antibody Induction is Enhanced by Particulate Vaccination. <i>Advanced Materials</i> , 2020 , 32, e2005637	24	38
3 ¹²	Thinking outside the macrocycle: Potential biomedical roles for nanostructured porphyrins and phthalocyanines [a] SPP/JPP Young Investigator Award paper. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020 , 24, 1272-1277	1.8	3
3 ¹¹	Particle-based, Pfs230 and Pfs25 immunization is effective, but not improved by duplexing at fixed total antigen dose. <i>Malaria Journal</i> , 2020 , 19, 309	3.6	7
3 ¹⁰	Stimulus-Responsive Nanomedicines for Disease Diagnosis and Treatment. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	21
3 ⁰⁹	A surfactant-stripped cabazitaxel micelle formulation optimized with accelerated storage stability. <i>Pharmaceutical Development and Technology</i> , 2020 , 25, 1281-1288	3.4	2
3 ⁰⁸	Molecular Dynamics Simulations of Polymer-Ionic Liquid (1-Ethyl-3-methylimidazolium Tetracyanoborate) Ternary Electrolyte for Sodium and Potassium Ion Batteries. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 485-499	6.1	12
3 ⁰⁷	Biomimetic, Hypoxia-Responsive Nanoparticles Overcome Residual Chemo-resistant Leukemic Cells with Co-Targeting of Therapy-Induced Bone Marrow Niches. <i>Advanced Functional Materials</i> , 2020 , 30, 2000309	15.6	13
3 ⁰⁶	Molecular dynamics study of natural rubber-fullerene composites: connecting microscopic properties to macroscopic behavior. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 19403-19413	3.6	13
3 ⁰⁵	Membrane Disruption by Very Long Chain Fatty Acids during Necroptosis. <i>ACS Chemical Biology</i> , 2019 , 14, 2286-2294	4.9	12
3 ⁰⁴	Controlled On-Off Switching of Tight-Binding Hydrogen Bonds between Model Cell Membranes and Acetylated Cellulose Surfaces. <i>Langmuir</i> , 2019 , 35, 13753-13760	4	4
3 ⁰³	Chemical modification of nanocrystalline cellulose for improved interfacial compatibility with poly(lactic acid). <i>Mendeleev Communications</i> , 2019 , 29, 220-222	1.9	12

302	Propulsion and controlled steering of magnetic nanohelices. <i>Soft Matter</i> , 2019 , 15, 1684-1691	3.6	9
301	Enhanced Drug Delivery by Nanoscale Integration of a Nitric Oxide Donor To Induce Tumor Collagen Depletion. <i>Nano Letters</i> , 2019 , 19, 997-1008	11.5	94
300	Pharmacokinetics and pharmacodynamics of liposomal chemophototherapy with short drug-light intervals. <i>Journal of Controlled Release</i> , 2019 , 297, 39-47	11.7	32
299	Mineralization of phosphorylated cellulose: crucial role of surface structure and monovalent ions for optimizing calcium content. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 1067-1077	3.6	5
298	The extracellular gate shapes the energy profile of an ABC exporter. <i>Nature Communications</i> , 2019 , 10, 2260	17.4	39
297	Indocyanine green binds to DOTAP liposomes for enhanced optical properties and tumor photoablation. <i>Biomaterials Science</i> , 2019 , 7, 3158-3164	7.4	19
296	Antigen Engineering Approaches for Lyme Disease Vaccines. <i>Bioconjugate Chemistry</i> , 2019 , 30, 1259-1270	2.3	4
295	Surfactant-Stripped Micelles for NIR-II Photoacoustic Imaging through 12 cm of Breast Tissue and Whole Human Breasts. <i>Advanced Materials</i> , 2019 , 31, e1902279	24	60
294	Liposomal formulations of photosensitizers. <i>Biomaterials</i> , 2019 , 218, 119341	15.6	51
293	A multifunctional biodegradable brush polymer-drug conjugate for paclitaxel/gemcitabine co-delivery and tumor imaging. <i>Nanoscale Advances</i> , 2019 , 1, 2761-2771	5.1	9
292	ROS-mediated cell death induced by mixed ligand copper(II) complexes of l-proline and diimine: effect of co-ligand. <i>Journal of Coordination Chemistry</i> , 2019 , 72, 3102-3127	1.6	4
291	Co-delivery of Bee Venom Melittin and a Photosensitizer with an Organic-Inorganic Hybrid Nanocarrier for Photodynamic Therapy and Immunotherapy. <i>ACS Nano</i> , 2019 , 13, 12638-12652	16.7	64
290	PGLu-Modified Nanocrystalline Cellulose Improves Mechanical Properties, Biocompatibility, and Mineralization of Polyester-Based Composites. <i>Materials</i> , 2019 , 12,	3.5	4
289	Dependence of fullerene aggregation on lipid saturation due to a balance between entropy and enthalpy. <i>Scientific Reports</i> , 2019 , 9, 1037	4.9	11
288	Singlet oxygen partition between the outer-, inner- and membrane-phases of photo/chemotherapeutic liposomes. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 25054-25064	3.6	7
287	Surfactant-Stripped Pheophytin Micelles for Multimodal Tumor Imaging and Photodynamic Therapy. <i>ACS Applied Bio Materials</i> , 2019 , 2, 544-554	4.1	12
286	Blood Interactions, Pharmacokinetics, and Depth-Dependent Ablation of Rat Mammary Tumors with Photoactivatable, Liposomal Doxorubicin. <i>Molecular Cancer Therapeutics</i> , 2019 , 18, 592-601	6.1	13
285	Ingestible Contrast Agents for Gastrointestinal Imaging. <i>ChemBioChem</i> , 2019 , 20, 462-473	3.8	11

284	Thermoplasmonic Response of Semiconductor Nanoparticles: A Comparison with Metals. <i>Advanced Theory and Simulations</i> , 2019 , 2, 1800100	3.5	7
283	Highly-Soluble Cyanine J-aggregates Entrapped by Liposomes for Optical Imaging around 930 nm. <i>Theranostics</i> , 2019 , 9, 381-390	12.1	20
282	Loading and Releasing Ciprofloxacin in Photoactivatable Liposomes. <i>Biochemical Engineering Journal</i> , 2019 , 141, 43-48	4.2	13
281	Metalloporphyrin Nanoparticles: Coordinating Diverse Theranostic Functions. <i>Coordination Chemistry Reviews</i> , 2019 , 379, 99-120	23.2	60
280	Short Drug-Light Intervals Improve Liposomal Chemophototherapy in Mice Bearing MIA PaCa-2 Xenografts. <i>Molecular Pharmaceutics</i> , 2018 , 15, 3682-3689	5.6	15
279	Lipopeptide daptomycin: Interactions with bacterial and phospholipid membranes, stability of membrane aggregates and micellation in solution. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 1949-1954	3.8	4
278	Multicolor Liposome Mixtures for Selective and Selectable Cargo Release. <i>Nano Letters</i> , 2018 , 18, 1331-1336	13.5	21
277	Scale-Dependent Miscibility of Polylactide and Polyhydroxybutyrate: Molecular Dynamics Simulations. <i>Macromolecules</i> , 2018 , 51, 552-563	5.5	33
276	Integrated Combination Treatment Using a Smart Chemotherapy and MicroRNA Delivery System Improves Outcomes in an Orthotopic Colorectal Cancer Model. <i>Advanced Functional Materials</i> , 2018 , 28, 1801118	15.6	30
275	Tumor Ablation and Therapeutic Immunity Induction by an Injectable Peptide Hydrogel. <i>ACS Nano</i> , 2018 , 12, 3295-3310	16.7	94
274	Atomistic Mechanism of Large-Scale Conformational Transition in a Heterodimeric ABC Exporter. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4543-4551	16.4	28
273	Naphthalocyanines as contrast agents for photoacoustic and multimodal imaging. <i>Biomedical Engineering Letters</i> , 2018 , 8, 215-221	3.6	16
272	Enhanced drug delivery using sonoactivatable liposomes with membrane-embedded porphyrins. <i>Journal of Controlled Release</i> , 2018 , 286, 358-368	11.7	48
271	Assessing Photosensitizer Targeting Using Meso-Tetra(Carboxyphenyl) Porphyrin. <i>Molecules</i> , 2018 , 23,	4.8	4
270	Recent Progress in Upconversion Photodynamic Therapy. <i>Nanomaterials</i> , 2018 , 8,	5.4	79
269	Cancer Therapy: Integrated Combination Treatment Using a Smart Chemotherapy and MicroRNA Delivery System Improves Outcomes in an Orthotopic Colorectal Cancer Model (Adv. Funct. Mater. 28/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870196	15.6	5
268	Adjuvant and Antigen Systems for Malaria Transmission-Blocking Vaccines. <i>Advanced Biology</i> , 2018 , 2, 1800011	3.5	5
267	Binding of an amphiphilic phthalocyanine to pre-formed liposomes confers light-triggered cargo release. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 7298-7305	7.3	19

266	Improved general-purpose five-point model for water: TIP5P/2018. <i>Journal of Chemical Physics</i> , 2018 , 149, 224507	3.9	14
265	A malaria vaccine adjuvant based on recombinant antigen binding to liposomes. <i>Nature Nanotechnology</i> , 2018 , 13, 1174-1181	28.7	63
264	Phospholipid-Cellulose Interactions: Insight from Atomistic Computer Simulations for Understanding the Impact of Cellulose-Based Materials on Plasma Membranes. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 9973-9981	3.4	6
263	Does α -Tocopherol Flip-Flop Help to Protect Membranes Against Oxidation?. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 10362-10370	3.4	16
262	Trimodal Therapy: A Tumor Vascular-Targeted Interlocking Trimodal Nanosystem That Induces and Exploits Hypoxia (Adv. Sci. 8/2018). <i>Advanced Science</i> , 2018 , 5, 1870048	13.6	1
261	Current taxane formulations and emerging cabazitaxel delivery systems. <i>Nano Research</i> , 2018 , 11, 5193-5218	52.8	22
260	Detection of Sunlight Exposure with Solar-Sensitive Liposomes that Capture and Release Food Dyes. <i>ACS Applied Nano Materials</i> , 2018 , 1, 2739-2747	5.6	9
259	Ingestible roasted barley for contrast-enhanced photoacoustic imaging in animal and human subjects. <i>Biomaterials</i> , 2018 , 175, 72-81	15.6	7
258	Prediction of Binding Energy of Keap1 Interaction Motifs in the Nrf2 Antioxidant Pathway and Design of Potential High-Affinity Peptides. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 5851-5859	3.4	15
257	CellSim3D: GPU accelerated software for simulations of cellular growth and division in three dimensions. <i>Computer Physics Communications</i> , 2018 , 232, 206-213	4.2	6
256	Ag-carried CMC/functional copolymer/ODA-Mt wLED-treated NC and their responses to brain cancer cells. <i>Materials Science and Engineering C</i> , 2018 , 92, 463-476	8.3	3
255	Implantable Tin Porphyrin-PEG Hydrogels with pH-Responsive Fluorescence. <i>Biomacromolecules</i> , 2017 , 18, 562-567	6.9	24
254	Alpha-tocopherol inhibits pore formation in oxidized bilayers. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 5699-5704	3.6	22
253	Controlled propulsion and separation of helical particles at the nanoscale. <i>Soft Matter</i> , 2017 , 13, 2148-2154	3.4	5
252	Surfactant-stripped naphthalocyanines for multimodal tumor theranostics with upconversion guidance cream. <i>Nanoscale</i> , 2017 , 9, 3391-3398	7.7	33
251	Multifunctional Liposomes for Image-Guided Intratumoral Chemo-Phototherapy. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700253	10.1	37
250	Bimodal Targeting Using Sulfonated, Mannosylated PEI for Combined Gene Delivery and Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , 2017 , 93, 600-608	3.6	6
249	Non-conformal coarse-grained potentials for water. <i>Journal of Chemical Physics</i> , 2017 , 147, 134108	3.9	5

248	A molecular dynamics study of conformations of beta-cyclodextrin and its eight derivatives in four different solvents. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 24219-24229	3.6	22
247	Vessel-Targeted Chemophototherapy with Cationic Porphyrin-Phospholipid Liposomes. <i>Molecular Cancer Therapeutics</i> , 2017 , 16, 2452-2461	6.1	29
246	Intrabilayer Cu Labeling of Photoactivatable, Doxorubicin-Loaded Stealth Liposomes. <i>ACS Nano</i> , 2017 , 11, 12482-12491	16.7	50
245	A dual-channel endoscope for quantitative imaging, monitoring, and triggering of doxorubicin release from liposomes in living mice. <i>Scientific Reports</i> , 2017 , 7, 15578	4.9	9
244	Design of Hydrated Porphyrin-Phospholipid Bilayers with Enhanced Magnetic Resonance Contrast. <i>Small</i> , 2017 , 13, 1602505	11	16
243	Advanced Functional Nanomaterials for Theranostics. <i>Advanced Functional Materials</i> , 2017 , 27, 1603524	15.6	155
242	Chemophototherapy: An Emerging Treatment Option for Solid Tumors. <i>Advanced Science</i> , 2017 , 4, 1600196	10.6	261
241	Recent applications of phthalocyanines and naphthalocyanines for imaging and therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017 , 9, e1420	9.2	87
240	Molecular dynamics simulations and Kelvin probe force microscopy to study of cholesterol-induced electrostatic nanodomains in complex lipid mixtures. <i>Soft Matter</i> , 2017 , 13, 355-362	3.6	6
239	Targeted Nanomaterials for Phototherapy. <i>Nanotheranostics</i> , 2017 , 1, 38-58	5.6	98
238	Deep tissue photoacoustic computed tomography with a fast and compact laser system. <i>Biomedical Optics Express</i> , 2017 , 8, 112-123	3.5	45
237	Molecular dynamics simulation of water permeation through the alpha-hemolysin channel. <i>Journal of Biological Physics</i> , 2016 , 42, 133-46	1.6	14
236	Therapeutic surfactant-stripped frozen micelles. <i>Nature Communications</i> , 2016 , 7, 11649	17.4	52
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