

Nicole F Steinmetz

List of Publications by Year in descending order

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225
papers

12,375
citations

22548

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40945

97
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232
all docs

232
docs citations

232
times ranked

12680
citing authors

#	ARTICLE	IF	CITATIONS
1	Combining nanomedicine and immune checkpoint therapy for cancer immunotherapy. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1739.	3.3	19
2	A Photoacoustic Contrast Agent for miR-21 via NIR Fluorescent Hybridization Chain Reaction. Bioconjugate Chemistry, 2022, 33, 1080-1092.	1.8	6
3	Inactivated Cowpea Mosaic Virus in Combination with OX40 Agonist Primes Potent Antitumor Immunity in a Bilateral Melanoma Mouse Model. Molecular Pharmaceutics, 2022, 19, 592-601.	2.3	9
4	Dissolving Microneedle Delivery of a Prophylactic HPV Vaccine. Biomacromolecules, 2022, 23, 903-912.	2.6	23
5	Integrating plant molecular farming and materials research for next-generation vaccines. Nature Reviews Materials, 2022, 7, 372-388.	23.3	65
6	Tuning the Hydrophilicâ€“Hydrophobic Balance of Molecular Polymer Bottlebrushes Enhances their Tumor Homing Properties. Advanced Healthcare Materials, 2022, 11, e2200163.	3.9	17
7	Neoadjuvant in situ vaccination with cowpea mosaic virus as a novel therapy against canine inflammatory mammary cancer. , 2022, 10, e004044.		19
8	One-Step Supramolecular Multifunctional Coating on Plant Virus Nanoparticles for Bioimaging and Therapeutic Applications. ACS Applied Materials & Interfaces, 2022, 14, 13692-13702.	4.0	21
9	Injectable Slow-Release Hydrogel Formulation of a Plant Virus-Based COVID-19 Vaccine Candidate. Biomacromolecules, 2022, 23, 1812-1825.	2.6	20
10	Cowpea Mosaic Virus Outperforms Other Members of the Secoviridae as In Situ Vaccine for Cancer Immunotherapy. Molecular Pharmaceutics, 2022, 19, 1573-1585.	2.3	13
11	Isolation of Tobacco Mosaic Virusâ€™Binding Peptides for Biotechnology Applications. ChemBioChem, 2022, , .	1.3	2
12	Injectable Hydrogel Containing Cowpea Mosaic Virus Nanoparticles Prevents Colon Cancer Growth. ACS Biomaterials Science and Engineering, 2022, 8, 2518-2525.	2.6	6
13	Cowpea Mosaic Virus and Natural Killer Cell Agonism for In Situ Cancer Vaccination. Nano Letters, 2022, 22, 5348-5356.	4.5	10
14	Photothermal immunotherapy of melanoma using TLR-7 agonist laden tobacco mosaic virus with polydopamine coat. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 44, 102573.	1.7	10
15	Toward Plant Cyborgs: Hydrogels Incorporated onto Plant Tissues Enable Programmable Shape Control. ACS Macro Letters, 2022, 11, 961-966.	2.3	5
16	Biomimetic Virus-Like Particles as Severe Acute Respiratory Syndrome Coronavirus 2 Diagnostic Tools. ACS Nano, 2021, 15, 1259-1272.	7.3	39
17	The <i>in vivo</i> fate of tobacco mosaic virus nanoparticle theranostic agents modified by the addition of a polydopamine coat. Biomaterials Science, 2021, 9, 7134-7150.	2.6	10
18	<i>In situ</i> vaccine application of inactivated CPMV nanoparticles for cancer immunotherapy. Materials Advances, 2021, 2, 1644-1656.	2.6	19

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19	Bluetongue Virus Particles as Nanoreactors for Enzyme Delivery and Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2021, 18, 1150-1156.	2.3	12
20	Remission-Stage Ovarian Cancer Cell Vaccine with Cowpea Mosaic Virus Adjuvant Prevents Tumor Growth. <i>Cancers</i> , 2021, 13, 627.	1.7	16
21	Virus-Like Particles as Positive Controls for COVID-19 RT-LAMP Diagnostic Assays. <i>Biomacromolecules</i> , 2021, 22, 1231-1243.	2.6	9
22	A Single-Dose, Implant-Based, Trivalent Virus-Like Particle Vaccine against "Cholesterol Checkpoint" Proteins. <i>Advanced Therapeutics</i> , 2021, 4, 2100014.	1.6	23
23	The pharmacology of plant virus nanoparticles. <i>Virology</i> , 2021, 556, 39-61.	1.1	29
24	Inactivated Plant Viruses as an Agrochemical Delivery Platform. <i>ACS Agricultural Science and Technology</i> , 2021, 1, 124-130.	1.0	7
25	Designing S100A9-Targeted Plant Virus Nanoparticles to Target Deep Vein Thrombosis. <i>Biomacromolecules</i> , 2021, 22, 2582-2594.	2.6	8
26	Unleashing the potential of cell membrane-based nanoparticles for COVID-19 treatment and vaccination. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 1395-1414.	2.4	14
27	Development of a Virus-Like Particle-Based Anti-HER2 Breast Cancer Vaccine. <i>Cancers</i> , 2021, 13, 2909.	1.7	25
28	Isolation of Cowpea Mosaic Virus-Binding Peptides. <i>Biomacromolecules</i> , 2021, 22, 3613-3623.	2.6	5
29	Cowpea mosaic virus stimulates antitumor immunity through recognition by multiple MYD88-dependent toll-like receptors. <i>Biomaterials</i> , 2021, 275, 120914.	5.7	40
30	Trivalent Subunit Vaccine Candidates for COVID-19 and Their Delivery Devices. <i>Journal of the American Chemical Society</i> , 2021, 143, 14748-14765.	6.6	48
31	S100A9-Targeted Cowpea Mosaic Virus as a Prophylactic and Therapeutic Immunotherapy against Metastatic Breast Cancer and Melanoma. <i>Advanced Science</i> , 2021, 8, e2101796.	5.6	17
32	Plant Viral Nanoparticle Conjugated with Anti-PD-1 Peptide for Ovarian Cancer Immunotherapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9733.	1.8	26
33	A Scalable Manufacturing Approach to Single Dose Vaccination against HPV. <i>Vaccines</i> , 2021, 9, 66.	2.1	20
34	Tobacco mosaic virus for the targeted delivery of drugs to cells expressing prostate-specific membrane antigen. <i>RSC Advances</i> , 2021, 11, 20101-20108.	1.7	8
35	Cowpea Mosaic Virus Nanoparticle Vaccine Candidates Displaying Peptide Epitopes Can Neutralize the Severe Acute Respiratory Syndrome Coronavirus. <i>ACS Infectious Diseases</i> , 2021, 7, 3096-3110.	1.8	16
36	Three Alternative Treatment Protocols for the Efficient Inactivation of Potato Virus X. <i>ACS Applied Bio Materials</i> , 2021, 4, 8309-8315.	2.3	3

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37	Bioconjugation of Active Ingredients to Plant Viral Nanoparticles Is Enhanced by Preincubation with a Pluronic F127 Polymer Scaffold. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 59618-59632.	4.0	10
38	Endosomal tollâ€like receptors play a key role in activation of primary human monocytes by cowpea mosaic virus. <i>Immunology</i> , 2020, 159, 183-192.	2.0	26
39	Plant Virus-Based Nanotechnologies. <i>Women in Engineering and Science</i> , 2020, , 57-69.	0.2	5
40	Builtâ€in Active Microneedle Patch with Enhanced Autonomous Drug Delivery. <i>Advanced Materials</i> , 2020, 32, e1905740.	11.1	160
41	Plant Viruses and Bacteriophage-Based Reagents for Diagnosis and Therapy. <i>Annual Review of Virology</i> , 2020, 7, 559-587.	3.0	25
42	COVID-19 Vaccine Frontrunners and Their Nanotechnology Design. <i>ACS Nano</i> , 2020, 14, 12522-12537.	7.3	259
43	COVID-19 vaccine development and a potential nanomaterial path forward. <i>Nature Nanotechnology</i> , 2020, 15, 646-655.	15.6	501
44	Cisplatin Prodrug-Loaded Nanoparticles Based on Physalis Mottle Virus for Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2020, 17, 4629-4636.	2.3	22
45	Intra- and intermolecular atomic-scale interactions in the receptor binding domain of SARS-CoV-2 spike protein: implication for ACE2 receptor binding. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18272-18283.	1.3	53
46	Active Microneedle Administration of Plant Virus Nanoparticles for Cancer In Situ Vaccination Improves Immunotherapeutic Efficacy. <i>ACS Applied Nano Materials</i> , 2020, 3, 8037-8051.	2.4	34
47	Doxorubicinâ€Loaded Physalis Mottle Virus Particles Function as a pHâ€Responsive Prodrug Enabling Cancer Therapy. <i>Biotechnology Journal</i> , 2020, 15, e2000077.	1.8	26
48	The unique potency of Cowpea mosaic virus (CPMV) <i>in situ</i> cancer vaccine. <i>Biomaterials Science</i> , 2020, 8, 5489-5503.	2.6	42
49	Charge Calibration Standard for Atomic Force Microscope Tips in Liquids. <i>Langmuir</i> , 2020, 36, 13621-13632.	1.6	9
50	A Combination of Cowpea Mosaic Virus and Immune Checkpoint Therapy Synergistically Improves Therapeutic Efficacy in Three Tumor Models. <i>Advanced Functional Materials</i> , 2020, 30, 2002299.	7.8	37
51	Affinity of plant viral nanoparticle potato virus X (PVX) towards malignant B cells enables cancer drug delivery. <i>Biomaterials Science</i> , 2020, 8, 3935-3943.	2.6	21
52	Antibody Response against Cowpea Mosaic Viral Nanoparticles Improves <i>In Situ</i> Vaccine Efficacy in Ovarian Cancer. <i>ACS Nano</i> , 2020, 14, 2994-3003.	7.3	44
53	Viral nanoparticles for drug delivery, imaging, immunotherapy, and theranostic applications. <i>Advanced Drug Delivery Reviews</i> , 2020, 156, 214-235.	6.6	231
54	Cowpea Mosaic Virus (CPMV)-Based Cancer Testis Antigen NY-ESO-1 Vaccine Elicits an Antigen-Specific Cytotoxic T Cell Response. <i>ACS Applied Bio Materials</i> , 2020, 3, 4179-4187.	2.3	16

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55	The Antitumor Efficacy of CpG Oligonucleotides is Improved by Encapsulation in Plant Virus-Like Particles. <i>Advanced Functional Materials</i> , 2020, 30, 1908743.	7.8	58
56	Nanocarriers for the Delivery of Medical, Veterinary, and Agricultural Active Ingredients. <i>ACS Nano</i> , 2020, 14, 2678-2701.	7.3	113
57	Protein cages and virus-like particles: from fundamental insight to biomimetic therapeutics. <i>Biomaterials Science</i> , 2020, 8, 2771-2777.	2.6	44
58	Site-Specific Antibody Conjugation Strategy to Functionalize Virus-Based Nanoparticles. <i>Bioconjugate Chemistry</i> , 2020, 31, 1408-1416.	1.8	27
59	Active Delivery of VLPs Promotes Anti-Tumor Activity in a Mouse Ovarian Tumor Model. <i>Small</i> , 2020, 16, e1907150.	5.2	40
60	Cowpea Mosaic Virus Nanoparticle Enhancement of Hypofractionated Radiation in a B16 Murine Melanoma Model. <i>Frontiers in Oncology</i> , 2020, 10, 594614.	1.3	4
61	Cowpea Mosaic Virus Nanoparticles and Empty Virus-Like Particles Show Distinct but Overlapping Immunostimulatory Properties. <i>Journal of Virology</i> , 2019, 93, .	1.5	58
62	Delivery of siRNA therapeutics using cowpea chlorotic mottle virus-like particles. <i>Biomaterials Science</i> , 2019, 7, 3138-3142.	2.6	56
63	Presentation and Delivery of Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand <i>via</i> Elongated Plant Viral Nanoparticle Enhances Antitumor Efficacy. <i>ACS Nano</i> , 2019, 13, 2501-2510.	7.3	29
64	Molecular mechanism and binding free energy of doxorubicin intercalation in DNA. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3877-3893.	1.3	70
65	A Viral Nanoparticle Cancer Vaccine Delays Tumor Progression and Prolongs Survival in a HER2 ⁺ Tumor Mouse Model. <i>Advanced Therapeutics</i> , 2019, 2, 1800139.	1.6	25
66	Cowpea Mosaic Virus Immunotherapy Combined with Cyclophosphamide Reduces Breast Cancer Tumor Burden and Inhibits Lung Metastasis. <i>Advanced Science</i> , 2019, 6, 1802281.	5.6	50
67	In Situ Vaccination of Tumors Using Plant Viral Nanoparticles. <i>Methods in Molecular Biology</i> , 2019, 2000, 111-124.	0.4	12
68	Polydopamine-decorated tobacco mosaic virus for photoacoustic/magnetic resonance bimodal imaging and photothermal cancer therapy. <i>Nanoscale</i> , 2019, 11, 9760-9768.	2.8	37
69	Physalis Mottle Virus-like Nanoparticles for Targeted Cancer Imaging. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18213-18223.	4.0	42
70	Soil mobility of synthetic and virus-based model nanopesticides. <i>Nature Nanotechnology</i> , 2019, 14, 712-718.	15.6	59
71	Heterologous Prime-Boost Enhances the Antitumor Immune Response Elicited by Plant-Virus-Based Cancer Vaccine. <i>Journal of the American Chemical Society</i> , 2019, 141, 6509-6518.	6.6	55
72	CD47 Blockade and Cowpea Mosaic Virus Nanoparticle In Situ Vaccination Triggers Phagocytosis and Tumor Killing. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801288.	3.9	47

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73	Cowpea Mosaic Virus Promotes Anti-Tumor Activity and Immune Memory in a Mouse Ovarian Tumor Model. <i>Advanced Therapeutics</i> , 2019, 2, 1900003.	1.6	47
74	Plant Virus-Like Particle In Situ Vaccine for Intracranial Glioma Immunotherapy. <i>Cancers</i> , 2019, 11, 515.	1.7	55
75	Let There Be Light: Targeted Photodynamic Therapy Using High Aspect Ratio Plant Viral Nanoparticles. <i>Macromolecular Bioscience</i> , 2019, 19, e1800407.	2.1	18
76	Freeze-Drying To Produce Efficacious CPMV Virus-like Particles. <i>Nano Letters</i> , 2019, 19, 2099-2105.	4.5	14
77	S100A9-targeted tobacco mosaic virus nanoparticles exhibit high specificity toward atherosclerotic lesions in ApoE ^{-/-} mice. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1842-1846.	2.9	19
78	Dynamic, Simultaneous Concentration Mapping of Multiple MRI Contrast Agents with Dual Contrast - Magnetic Resonance Fingerprinting. <i>Scientific Reports</i> , 2019, 9, 19888.	1.6	6
79	Tobacco Mosaic Virus-Functionalized Mesoporous Silica Nanoparticles, a Wool-Ball-like Nanostructure for Drug Delivery. <i>Langmuir</i> , 2019, 35, 203-211.	1.6	19
80	Biodistribution of Filamentous Plant Virus Nanoparticles: Pepino Mosaic Virus versus Potato Virus X. <i>Biomacromolecules</i> , 2019, 20, 469-477.	2.6	18
81	Biological and evolutionary concepts for nanoscale engineering. <i>EMBO Reports</i> , 2019, 20, e48806.	2.0	11
82	The <i>in vivo</i> fates of plant viral nanoparticles camouflaged using self-proteins: overcoming immune recognition. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2204-2216.	2.9	37
83	Slow-Release Formulation of Cowpea Mosaic Virus for In Situ Vaccine Delivery to Treat Ovarian Cancer. <i>Advanced Science</i> , 2018, 5, 1700991.	5.6	54
84	Treatment of Canine Oral Melanoma with Nanotechnology-Based Immunotherapy and Radiation. <i>Molecular Pharmaceutics</i> , 2018, 15, 3717-3722.	2.3	92
85	Radiation Therapy Combined with Cowpea Mosaic Virus Nanoparticle in Situ Vaccination Initiates Immune-Mediated Tumor Regression. <i>ACS Omega</i> , 2018, 3, 3702-3707.	1.6	68
86	Green nanofillers: Plant virus reinforcement in hydrophilic polymer nanocomposites. <i>Polymer</i> , 2018, 142, 72-79.	1.8	2
87	Speciation of Phenanthriplatin and Its Analogs in the Core of Tobacco Mosaic Virus. <i>Journal of the American Chemical Society</i> , 2018, 140, 4279-4287.	6.6	28
88	Plant viral and bacteriophage delivery of nucleic acid therapeutics. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2018, 10, e1487.	3.3	25
89	Tobacco Mosaic Virus-Delivered Cisplatin Restores Efficacy in Platinum-Resistant Ovarian Cancer Cells. <i>Molecular Pharmaceutics</i> , 2018, 15, 2922-2931.	2.3	57
90	Cancer Theranostic Applications of Albumin-Coated Tobacco Mosaic Virus Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39468-39477.	4.0	45

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91	New Directions for Drug Delivery in Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2018, 15, 3601-3602.	2.3	7
92	Delivery of mitoxantrone using a plant virus-based nanoparticle for the treatment of glioblastomas. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5888-5895.	2.9	36
93	In Situ Vaccination with Cowpea vs Tobacco Mosaic Virus against Melanoma. <i>Molecular Pharmaceutics</i> , 2018, 15, 3700-3716.	2.3	79
94	Bioinspired Shielding Strategies for Nanoparticle Drug Delivery Applications. <i>Molecular Pharmaceutics</i> , 2018, 15, 2900-2909.	2.3	81
95	Delivery of thrombolytic therapy using rod-shaped plant viral nanoparticles decreases the risk of hemorrhage. <i>Nanoscale</i> , 2018, 10, 16547-16555.	2.8	30
96	Tobacco mosaic virus delivery of mitoxantrone for cancer therapy. <i>Nanoscale</i> , 2018, 10, 16307-16313.	2.8	47
97	Drug-Loaded Plant-Virus Based Nanoparticles for Cancer Drug Delivery. <i>Methods in Molecular Biology</i> , 2018, 1776, 425-436.	0.4	11
98	In Planta Production of Fluorescent Filamentous Plant Virus-Based Nanoparticles. <i>Methods in Molecular Biology</i> , 2018, 1776, 61-84.	0.4	15
99	Nanomanufacture of Free-Standing, Porous, Janus-Type Films of Polymer-Plant Virus Nanoparticle Arrays. <i>Methods in Molecular Biology</i> , 2018, 1776, 143-157.	0.4	2
100	Interactions Between Plant Viral Nanoparticles (VNPs) and Blood Plasma Proteins, and Their Impact on the VNP In Vivo Fates. <i>Methods in Molecular Biology</i> , 2018, 1776, 591-608.	0.4	2
101	Potato virus X, a filamentous plant viral nanoparticle for doxorubicin delivery in cancer therapy. <i>Nanoscale</i> , 2017, 9, 2348-2357.	2.8	108
102	A Bioengineered Positive Control for Rapid Detection of the Ebola Virus by Reverse Transcription Loop-Mediated Isothermal Amplification (RT-LAMP). <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 452-459.	2.6	9
103	Polymer Structure and Conformation Alter the Antigenicity of Virus-like Particle-Polymer Conjugates. <i>Journal of the American Chemical Society</i> , 2017, 139, 3312-3315.	6.6	70
104	Plant viruses and bacteriophages for drug delivery in medicine and biotechnology. <i>Current Opinion in Chemical Biology</i> , 2017, 38, 108-116.	2.8	90
105	Fluorinated polymer-photosensitizer conjugates enable improved generation of ROS for anticancer photodynamic therapy. <i>Polymer Chemistry</i> , 2017, 8, 3195-3202.	1.9	27
106	Impact of Hydrogen Bonding in the Binding Site between Capsid Protein and MS2 Bacteriophage ssRNA. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6321-6330.	1.2	30
107	Effect of intra-tumoral magnetic nanoparticle hyperthermia and viral nanoparticle immunogenicity on primary and metastatic cancer. <i>Proceedings of SPIE</i> , 2017, 10066, .	0.8	12
108	Hypo-fractionated radiation, magnetic nanoparticle hyperthermia and a viral immunotherapy treatment of spontaneous canine cancer. , 2017, 10066, .		21

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109	Delivery of Pesticides to Plant Parasitic Nematodes Using Tobacco Mild Green Mosaic Virus as a Nanocarrier. <i>ACS Nano</i> , 2017, 11, 4719-4730.	7.3	77
110	Electrostatic layer-by-layer construction of fibrous TMV biofilms. <i>Nanoscale</i> , 2017, 9, 1580-1590.	2.8	27
111	Plant viral nanoparticles-based HER2 vaccine: Immune response influenced by differential transport, localization and cellular interactions of particulate carriers. <i>Biomaterials</i> , 2017, 121, 15-27.	5.7	88
112	Cryo-electron tomography investigation of serum albumin-camouflaged tobacco mosaic virus nanoparticles. <i>Nanoscale</i> , 2017, 9, 3408-3415.	2.8	19
113	Optical and Magnetic Resonance Imaging Using Fluorous Colloidal Nanoparticles. <i>Biomacromolecules</i> , 2017, 18, 103-112.	2.6	29
114	Photon Management through Virus-Programmed Supramolecular Arrays. <i>Advanced Biology</i> , 2017, 1, 1700088.	3.0	2
115	Dysprosium-Modified Tobacco Mosaic Virus Nanoparticles for Ultra-High-Field Magnetic Resonance and Near-Infrared Fluorescence Imaging of Prostate Cancer. <i>ACS Nano</i> , 2017, 11, 9249-9258.	7.3	90
116	Dual Contrast - Magnetic Resonance Fingerprinting (DC-MRF): A Platform for Simultaneous Quantification of Multiple MRI Contrast Agents. <i>Scientific Reports</i> , 2017, 7, 8431.	1.6	27
117	Elongated Plant Virus-Based Nanoparticles for Enhanced Delivery of Thrombolytic Therapies. <i>Molecular Pharmaceutics</i> , 2017, 14, 3815-3823.	2.3	41
118	Biodegradable Viral Nanoparticle/Polymer Implants Prepared via Melt-Processing. <i>ACS Nano</i> , 2017, 11, 8777-8789.	7.3	47
119	Enter the Nanoman. <i>Nature Nanotechnology</i> , 2017, 12, 928-928.	15.6	0
120	Viral nanoparticles decorated with novel EGFL7 ligands enable intravital imaging of tumor neovasculature. <i>Nanoscale</i> , 2017, 9, 12096-12109.	2.8	23
121	Physalis Mottle Virus-Like Particles as Nanocarriers for Imaging Reagents and Drugs. <i>Biomacromolecules</i> , 2017, 18, 4141-4153.	2.6	63
122	Combination of Plant Virus Nanoparticle-Based in Situ Vaccination with Chemotherapy Potentiates Antitumor Response. <i>Nano Letters</i> , 2017, 17, 4019-4028.	4.5	77
123	Featured Article: Delivery of chemotherapeutic vcMMAE using tobacco mosaic virus nanoparticles. <i>Experimental Biology and Medicine</i> , 2017, 242, 1405-1411.	1.1	25
124	Chemical addressability of potato virus X for its applications in bio/nanotechnology. <i>Journal of Structural Biology</i> , 2017, 200, 360-368.	1.3	28
125	POxylation as an alternative stealth coating for biomedical applications. <i>European Polymer Journal</i> , 2017, 88, 679-688.	2.6	81
126	Characterization of the Shielding Properties of Serum Albumin on a Plant Viral Nanoparticle. <i>Microscopy and Microanalysis</i> , 2016, 22, 1084-1085.	0.2	0

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127	The Protein Corona of Plant Virus Nanoparticles Influences their Dispersion Properties, Cellular Interactions, and In Vivo Fates. <i>Small</i> , 2016, 12, 1758-1769.	5.2	72
128	Nanomedicine: The Protein Corona of Plant Virus Nanoparticles Influences their Dispersion Properties, Cellular Interactions, and In Vivo Fates (Small 13/2016). <i>Small</i> , 2016, 12, 1682-1682.	5.2	4
129	Virus-based nanoparticles as platform technologies for modern vaccines. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016, 8, 554-578.	3.3	55
130	Bioengineering of Tobacco Mosaic Virus to Create a Non-Infectious Positive Control for Ebola Diagnostic Assays. <i>Scientific Reports</i> , 2016, 6, 23803.	1.6	20
131	Multiple Administrations of Viral Nanoparticles Alter <i>in Vivo</i> Behavior—Insights from Intravital Microscopy. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 829-837.	2.6	17
132	Serum albumin “camouflage” of plant virus based nanoparticles prevents their antibody recognition and enhances pharmacokinetics. <i>Biomaterials</i> , 2016, 89, 89-97.	5.7	78
133	Diffusion and Uptake of Tobacco Mosaic Virus as Therapeutic Carrier in Tumor Tissue: Effect of Nanoparticle Aspect Ratio. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6120-6129.	1.2	31
134	Utilizing Viral Nanoparticle/Dendron Hybrid Conjugates in Photodynamic Therapy for Dual Delivery to Macrophages and Cancer Cells. <i>Bioconjugate Chemistry</i> , 2016, 27, 1227-1235.	1.8	53
135	Design of virus-based nanomaterials for medicine, biotechnology, and energy. <i>Chemical Society Reviews</i> , 2016, 45, 4074-4126.	18.7	313
136	Emerging nanotechnologies for cancer immunotherapy. <i>Experimental Biology and Medicine</i> , 2016, 241, 1116-1126.	1.1	26
137	Enhancing the Angular Sensitivity of Plasmonic Sensors Using Hyperbolic Metamaterials. <i>Advanced Optical Materials</i> , 2016, 4, 1767-1772.	3.6	69
138	X-ray characterization of mesophases of human telomeric G-quadruplexes and other DNA analogues. <i>Scientific Reports</i> , 2016, 6, 27079.	1.6	6
139	Implication of the solvent effect, metal ions and topology in the electronic structure and hydrogen bonding of human telomeric G-quadruplex DNA. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 21573-21585.	1.3	41
140	Charge distribution and hydrogen bonding of a collagen $\alpha 2$ -chain in vacuum, hydrated, neutral, and charged structural models. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 681-691.	1.0	18
141	Free-Standing, Nanopatterned Janus Membranes of Conducting Polymer—Virus Nanoparticle Arrays. <i>Langmuir</i> , 2016, 32, 6185-6193.	1.6	13
142	Production of Immunoabsorbent Nanoparticles by Displaying Single-Domain Protein A on Potato Virus X. <i>Macromolecular Bioscience</i> , 2016, 16, 231-241.	2.1	32
143	Tobacco Mosaic Virus Delivery of Phenanthriplatin for Cancer therapy. <i>ACS Nano</i> , 2016, 10, 4119-4126.	7.3	145
144	High Aspect Ratio Nanotubes Formed by Tobacco Mosaic Virus for Delivery of Photodynamic Agents Targeting Melanoma. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 838-844.	2.6	47

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145	Anti-atherogenic effect of trivalent chromium-loaded CPMV nanoparticles in human aortic smooth muscle cells under hyperglycemic conditions in vitro. <i>Nanoscale</i> , 2016, 8, 6542-6554.	2.8	18
146	Tobacco mosaic virus-based protein nanoparticles and nanorods for chemotherapy delivery targeting breast cancer. <i>Journal of Controlled Release</i> , 2016, 231, 103-113.	4.8	67
147	In situ vaccination with cowpea mosaic virus nanoparticles suppresses metastatic cancer. <i>Nature Nanotechnology</i> , 2016, 11, 295-303.	15.6	392
148	Electronic Structure and Partial Charge Distribution of Doxorubicin in Different Molecular Environments. <i>ChemPhysChem</i> , 2015, 16, 1451-1460.	1.0	26
149	Tropism of CPMV to Professional Antigen Presenting Cells Enables a Platform to Eliminate Chronic Infections. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 1050-1054.	2.6	20
150	Suppression of Hyperactive Immune Responses Protects against Nitrogen Mustard Injury. <i>Journal of Investigative Dermatology</i> , 2015, 135, 2971-2981.	0.3	23
151	Plasmonic Nanodiamonds: Targeted Core-Shell Type Nanoparticles for Cancer Cell Thermoablation. <i>Advanced Healthcare Materials</i> , 2015, 4, 460-468.	3.9	39
152	Interface of Physics and Biology: Engineering Virus-Based Nanoparticles for Biophotonics. <i>Bioconjugate Chemistry</i> , 2015, 26, 51-62.	1.8	53
153	Detection and Imaging of Aggressive Cancer Cells Using an Epidermal Growth Factor Receptor (EGFR)-Targeted Filamentous Plant Virus-Based Nanoparticle. <i>Bioconjugate Chemistry</i> , 2015, 26, 262-269.	1.8	50
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