

Nicole F Steinmetz

List of Publications by Year in descending order

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225
papers

12,375
citations

19657

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36028

97
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232
all docs

232
docs citations

232
times ranked

11361
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Combining nanomedicine and immune checkpoint therapy for cancer immunotherapy. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1739. | 6.1 | 19 |
| 2 | A Photoacoustic Contrast Agent for miR-21 via NIR Fluorescent Hybridization Chain Reaction. Bioconjugate Chemistry, 2022, 33, 1080-1092. | 3.6 | 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. | 4.6 | 9 |
| 4 | Dissolving Microneedle Delivery of a Prophylactic HPV Vaccine. Biomacromolecules, 2022, 23, 903-912. | 5.4 | 23 |
| 5 | Integrating plant molecular farming and materials research for next-generation vaccines. Nature Reviews Materials, 2022, 7, 372-388. | 48.7 | 65 |
| 6 | Tuning the Hydrophilic-Hydrophobic Balance of Molecular Polymer Bottlebrushes Enhances their Tumor Homing Properties. Advanced Healthcare Materials, 2022, 11, e2200163. | 7.6 | 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. | 8.0 | 21 |
| 9 | Injectable Slow-Release Hydrogel Formulation of a Plant Virus-Based COVID-19 Vaccine Candidate. Biomacromolecules, 2022, 23, 1812-1825. | 5.4 | 20 |
| 10 | Cowpea Mosaic Virus Outperforms Other Members of the Secoviridae as In Situ Vaccine for Cancer Immunotherapy. Molecular Pharmaceutics, 2022, 19, 1573-1585. | 4.6 | 13 |
| 11 | Isolation of Tobacco Mosaic Virus-Binding Peptides for Biotechnology Applications. ChemBioChem, 2022, , . | 2.6 | 2 |
| 12 | Injectable Hydrogel Containing Cowpea Mosaic Virus Nanoparticles Prevents Colon Cancer Growth. ACS Biomaterials Science and Engineering, 2022, 8, 2518-2525. | 5.2 | 6 |
| 13 | Cowpea Mosaic Virus and Natural Killer Cell Agonism for In Situ Cancer Vaccination. Nano Letters, 2022, 22, 5348-5356. | 9.1 | 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. | 3.3 | 10 |
| 15 | Toward Plant Cyborgs: Hydrogels Incorporated onto Plant Tissues Enable Programmable Shape Control. ACS Macro Letters, 2022, 11, 961-966. | 4.8 | 5 |
| 16 | Biomimetic Virus-Like Particles as Severe Acute Respiratory Syndrome Coronavirus 2 Diagnostic Tools. ACS Nano, 2021, 15, 1259-1272. | 14.6 | 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. | 5.4 | 10 |
| 18 | <i>In situ</i> vaccine application of inactivated CPMV nanoparticles for cancer immunotherapy. Materials Advances, 2021, 2, 1644-1656. | 5.4 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Bluetongue Virus Particles as Nanoreactors for Enzyme Delivery and Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2021, 18, 1150-1156. | 4.6 | 12 |
| 20 | Remission-Stage Ovarian Cancer Cell Vaccine with Cowpea Mosaic Virus Adjuvant Prevents Tumor Growth. <i>Cancers</i> , 2021, 13, 627. | 3.7 | 16 |
| 21 | Virus-Like Particles as Positive Controls for COVID-19 RT-LAMP Diagnostic Assays. <i>Biomacromolecules</i> , 2021, 22, 1231-1243. | 5.4 | 9 |
| 22 | A Single-Dose, Implant-Based, Trivalent Virus-Like Particle Vaccine against "Cholesterol Checkpoint" Proteins. <i>Advanced Therapeutics</i> , 2021, 4, 2100014. | 3.2 | 23 |
| 23 | The pharmacology of plant virus nanoparticles. <i>Virology</i> , 2021, 556, 39-61. | 2.4 | 29 |
| 24 | Inactivated Plant Viruses as an Agrochemical Delivery Platform. <i>ACS Agricultural Science and Technology</i> , 2021, 1, 124-130. | 2.3 | 7 |
| 25 | Designing S100A9-Targeted Plant Virus Nanoparticles to Target Deep Vein Thrombosis. <i>Biomacromolecules</i> , 2021, 22, 2582-2594. | 5.4 | 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. | 5.0 | 14 |
| 27 | Development of a Virus-Like Particle-Based Anti-HER2 Breast Cancer Vaccine. <i>Cancers</i> , 2021, 13, 2909. | 3.7 | 25 |
| 28 | Isolation of Cowpea Mosaic Virus-Binding Peptides. <i>Biomacromolecules</i> , 2021, 22, 3613-3623. | 5.4 | 5 |
| 29 | Cowpea mosaic virus stimulates antitumor immunity through recognition by multiple MYD88-dependent toll-like receptors. <i>Biomaterials</i> , 2021, 275, 120914. | 11.4 | 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. | 13.7 | 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. | 11.2 | 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. | 4.1 | 26 |
| 33 | A Scalable Manufacturing Approach to Single Dose Vaccination against HPV. <i>Vaccines</i> , 2021, 9, 66. | 4.4 | 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. | 3.6 | 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. | 3.8 | 16 |
| 36 | Three Alternative Treatment Protocols for the Efficient Inactivation of Potato Virus X. <i>ACS Applied Bio Materials</i> , 2021, 4, 8309-8315. | 4.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 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. | 8.0 | 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. | 4.4 | 26 |
| 39 | Plant Virus-Based Nanotechnologies. <i>Women in Engineering and Science</i> , 2020, , 57-69. | 0.4 | 5 |
| 40 | Builtâ€in Active Microneedle Patch with Enhanced Autonomous Drug Delivery. <i>Advanced Materials</i> , 2020, 32, e1905740. | 21.0 | 160 |
| 41 | Plant Viruses and Bacteriophage-Based Reagents for Diagnosis and Therapy. <i>Annual Review of Virology</i> , 2020, 7, 559-587. | 6.7 | 25 |
| 42 | COVID-19 Vaccine Frontrunners and Their Nanotechnology Design. <i>ACS Nano</i> , 2020, 14, 12522-12537. | 14.6 | 259 |
| 43 | COVID-19 vaccine development and a potential nanomaterial path forward. <i>Nature Nanotechnology</i> , 2020, 15, 646-655. | 31.5 | 501 |
| 44 | Cisplatin Prodrug-Loaded Nanoparticles Based on Physalis Mottle Virus for Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2020, 17, 4629-4636. | 4.6 | 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. | 2.8 | 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. | 5.0 | 34 |
| 47 | Doxorubicinâ€Loaded Physalis Mottle Virus Particles Function as a pHâ€Responsive Prodrug Enabling Cancer Therapy. <i>Biotechnology Journal</i> , 2020, 15, e2000077. | 3.5 | 26 |
| 48 | The unique potency of Cowpea mosaic virus (CPMV) <i>in situ</i> cancer vaccine. <i>Biomaterials Science</i> , 2020, 8, 5489-5503. | 5.4 | 42 |
| 49 | Charge Calibration Standard for Atomic Force Microscope Tips in Liquids. <i>Langmuir</i> , 2020, 36, 13621-13632. | 3.5 | 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. | 14.9 | 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. | 5.4 | 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. | 14.6 | 44 |
| 53 | Viral nanoparticles for drug delivery, imaging, immunotherapy, and theranostic applications. <i>Advanced Drug Delivery Reviews</i> , 2020, 156, 214-235. | 13.7 | 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. | 4.6 | 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. | 14.9 | 58 |
| 56 | Nanocarriers for the Delivery of Medical, Veterinary, and Agricultural Active Ingredients. <i>ACS Nano</i> , 2020, 14, 2678-2701. | 14.6 | 113 |
| 57 | Protein cages and virus-like particles: from fundamental insight to biomimetic therapeutics. <i>Biomaterials Science</i> , 2020, 8, 2771-2777. | 5.4 | 44 |
| 58 | Site-Specific Antibody Conjugation Strategy to Functionalize Virus-Based Nanoparticles. <i>Bioconjugate Chemistry</i> , 2020, 31, 1408-1416. | 3.6 | 27 |
| 59 | Active Delivery of VLPs Promotes Anti-Tumor Activity in a Mouse Ovarian Tumor Model. <i>Small</i> , 2020, 16, e1907150. | 10.0 | 40 |
| 60 | Cowpea Mosaic Virus Nanoparticle Enhancement of Hypofractionated Radiation in a B16 Murine Melanoma Model. <i>Frontiers in Oncology</i> , 2020, 10, 594614. | 2.8 | 4 |
| 61 | Cowpea Mosaic Virus Nanoparticles and Empty Virus-Like Particles Show Distinct but Overlapping Immunostimulatory Properties. <i>Journal of Virology</i> , 2019, 93, . | 3.4 | 58 |
| 62 | Delivery of siRNA therapeutics using cowpea chlorotic mottle virus-like particles. <i>Biomaterials Science</i> , 2019, 7, 3138-3142. | 5.4 | 56 |
| 63 | Presentation and Delivery of Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand via Elongated Plant Viral Nanoparticle Enhances Antitumor Efficacy. <i>ACS Nano</i> , 2019, 13, 2501-2510. | 14.6 | 29 |
| 64 | Molecular mechanism and binding free energy of doxorubicin intercalation in DNA. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3877-3893. | 2.8 | 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. | 3.2 | 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. | 11.2 | 50 |
| 67 | In Situ Vaccination of Tumors Using Plant Viral Nanoparticles. <i>Methods in Molecular Biology</i> , 2019, 2000, 111-124. | 0.9 | 12 |
| 68 | Polydopamine-decorated tobacco mosaic virus for photoacoustic/magnetic resonance bimodal imaging and photothermal cancer therapy. <i>Nanoscale</i> , 2019, 11, 9760-9768. | 5.6 | 37 |
| 69 | Physalis Mottle Virus-like Nanoparticles for Targeted Cancer Imaging. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18213-18223. | 8.0 | 42 |
| 70 | Soil mobility of synthetic and virus-based model nanopesticides. <i>Nature Nanotechnology</i> , 2019, 14, 712-718. | 31.5 | 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. | 13.7 | 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. | 7.6 | 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. | 3.2 | 47 |
| 74 | Plant Virus-Like Particle In Situ Vaccine for Intracranial Glioma Immunotherapy. <i>Cancers</i> , 2019, 11, 515. | 3.7 | 55 |
| 75 | Let There Be Light: Targeted Photodynamic Therapy Using High Aspect Ratio Plant Viral Nanoparticles. <i>Macromolecular Bioscience</i> , 2019, 19, e1800407. | 4.1 | 18 |
| 76 | Freeze-Drying To Produce Efficacious CPMV Virus-like Particles. <i>Nano Letters</i> , 2019, 19, 2099-2105. | 9.1 | 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. | 5.8 | 19 |
| 78 | Dynamic, Simultaneous Concentration Mapping of Multiple MRI Contrast Agents with Dual Contrast - Magnetic Resonance Fingerprinting. <i>Scientific Reports</i> , 2019, 9, 19888. | 3.3 | 6 |
| 79 | Tobacco Mosaic Virus-Functionalized Mesoporous Silica Nanoparticles, a Wool-Ball-like Nanostructure for Drug Delivery. <i>Langmuir</i> , 2019, 35, 203-211. | 3.5 | 19 |
| 80 | Biodistribution of Filamentous Plant Virus Nanoparticles: Pepino Mosaic Virus versus Potato Virus X. <i>Biomacromolecules</i> , 2019, 20, 469-477. | 5.4 | 18 |
| 81 | Biological and evolutionary concepts for nanoscale engineering. <i>EMBO Reports</i> , 2019, 20, e48806. | 4.5 | 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. | 5.8 | 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. | 11.2 | 54 |
| 84 | Treatment of Canine Oral Melanoma with Nanotechnology-Based Immunotherapy and Radiation. <i>Molecular Pharmaceutics</i> , 2018, 15, 3717-3722. | 4.6 | 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. | 3.5 | 68 |
| 86 | Green nanofillers: Plant virus reinforcement in hydrophilic polymer nanocomposites. <i>Polymer</i> , 2018, 142, 72-79. | 3.8 | 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. | 13.7 | 28 |
| 88 | Plant viral and bacteriophage delivery of nucleic acid therapeutics. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2018, 10, e1487. | 6.1 | 25 |
| 89 | Tobacco Mosaic Virus-Delivered Cisplatin Restores Efficacy in Platinum-Resistant Ovarian Cancer Cells. <i>Molecular Pharmaceutics</i> , 2018, 15, 2922-2931. | 4.6 | 57 |
| 90 | Cancer Theranostic Applications of Albumin-Coated Tobacco Mosaic Virus Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39468-39477. | 8.0 | 45 |

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| 91 | New Directions for Drug Delivery in Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2018, 15, 3601-3602. | 4.6 | 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. | 5.8 | 36 |
| 93 | In Situ Vaccination with Cowpea vs Tobacco Mosaic Virus against Melanoma. <i>Molecular Pharmaceutics</i> , 2018, 15, 3700-3716. | 4.6 | 79 |
| 94 | Bioinspired Shielding Strategies for Nanoparticle Drug Delivery Applications. <i>Molecular Pharmaceutics</i> , 2018, 15, 2900-2909. | 4.6 | 81 |
| 95 | Delivery of thrombolytic therapy using rod-shaped plant viral nanoparticles decreases the risk of hemorrhage. <i>Nanoscale</i> , 2018, 10, 16547-16555. | 5.6 | 30 |
| 96 | Tobacco mosaic virus delivery of mitoxantrone for cancer therapy. <i>Nanoscale</i> , 2018, 10, 16307-16313. | 5.6 | 47 |
| 97 | Drug-Loaded Plant-Virus Based Nanoparticles for Cancer Drug Delivery. <i>Methods in Molecular Biology</i> , 2018, 1776, 425-436. | 0.9 | 11 |
| 98 | In Planta Production of Fluorescent Filamentous Plant Virus-Based Nanoparticles. <i>Methods in Molecular Biology</i> , 2018, 1776, 61-84. | 0.9 | 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. | 0.9 | 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. | 0.9 | 2 |
| 101 | Potato virus X, a filamentous plant viral nanoparticle for doxorubicin delivery in cancer therapy. <i>Nanoscale</i> , 2017, 9, 2348-2357. | 5.6 | 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. | 5.2 | 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. | 13.7 | 70 |
| 104 | Plant viruses and bacteriophages for drug delivery in medicine and biotechnology. <i>Current Opinion in Chemical Biology</i> , 2017, 38, 108-116. | 6.1 | 90 |
| 105 | Fluorinated polymer-photosensitizer conjugates enable improved generation of ROS for anticancer photodynamic therapy. <i>Polymer Chemistry</i> , 2017, 8, 3195-3202. | 3.9 | 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. | 2.6 | 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. | 14.6 | 77 |
| 110 | Electrostatic layer-by-layer construction of fibrous TMV biofilms. <i>Nanoscale</i> , 2017, 9, 1580-1590. | 5.6 | 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. | 11.4 | 88 |
| 112 | Cryo-electron tomography investigation of serum albumin-camouflaged tobacco mosaic virus nanoparticles. <i>Nanoscale</i> , 2017, 9, 3408-3415. | 5.6 | 19 |
| 113 | Optical and Magnetic Resonance Imaging Using Fluorous Colloidal Nanoparticles. <i>Biomacromolecules</i> , 2017, 18, 103-112. | 5.4 | 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. | 14.6 | 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. | 3.3 | 27 |
| 117 | Elongated Plant Virus-Based Nanoparticles for Enhanced Delivery of Thrombolytic Therapies. <i>Molecular Pharmaceutics</i> , 2017, 14, 3815-3823. | 4.6 | 41 |
| 118 | Biodegradable Viral Nanoparticle/Polymer Implants Prepared via Melt-Processing. <i>ACS Nano</i> , 2017, 11, 8777-8789. | 14.6 | 47 |
| 119 | Enter the Nanoman. <i>Nature Nanotechnology</i> , 2017, 12, 928-928. | 31.5 | 0 |
| 120 | Viral nanoparticles decorated with novel EGFL7 ligands enable intravital imaging of tumor neovasculature. <i>Nanoscale</i> , 2017, 9, 12096-12109. | 5.6 | 23 |
| 121 | Physalis Mottle Virus-Like Particles as Nanocarriers for Imaging Reagents and Drugs. <i>Biomacromolecules</i> , 2017, 18, 4141-4153. | 5.4 | 63 |
| 122 | Combination of Plant Virus Nanoparticle-Based in Situ Vaccination with Chemotherapy Potentiates Antitumor Response. <i>Nano Letters</i> , 2017, 17, 4019-4028. | 9.1 | 77 |
| 123 | Featured Article: Delivery of chemotherapeutic vcMMAE using tobacco mosaic virus nanoparticles. <i>Experimental Biology and Medicine</i> , 2017, 242, 1405-1411. | 2.4 | 25 |
| 124 | Chemical addressability of potato virus X for its applications in bio/nanotechnology. <i>Journal of Structural Biology</i> , 2017, 200, 360-368. | 2.8 | 28 |
| 125 | POxylation as an alternative stealth coating for biomedical applications. <i>European Polymer Journal</i> , 2017, 88, 679-688. | 5.4 | 81 |
| 126 | Characterization of the Shielding Properties of Serum Albumin on a Plant Viral Nanoparticle. <i>Microscopy and Microanalysis</i> , 2016, 22, 1084-1085. | 0.4 | 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. | 10.0 | 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. | 10.0 | 4 |
| 129 | Virus-based nanoparticles as platform technologies for modern vaccines. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016, 8, 554-578. | 6.1 | 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. | 3.3 | 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. | 5.2 | 17 |
| 132 | Serum albumin “camouflage” of plant virus based nanoparticles prevents their antibody recognition and enhances pharmacokinetics. <i>Biomaterials</i> , 2016, 89, 89-97. | 11.4 | 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. | 2.6 | 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. | 3.6 | 53 |
| 135 | Design of virus-based nanomaterials for medicine, biotechnology, and energy. <i>Chemical Society Reviews</i> , 2016, 45, 4074-4126. | 38.1 | 313 |
| 136 | Emerging nanotechnologies for cancer immunotherapy. <i>Experimental Biology and Medicine</i> , 2016, 241, 1116-1126. | 2.4 | 26 |
| 137 | Enhancing the Angular Sensitivity of Plasmonic Sensors Using Hyperbolic Metamaterials. <i>Advanced Optical Materials</i> , 2016, 4, 1767-1772. | 7.3 | 69 |
| 138 | X-ray characterization of mesophases of human telomeric G-quadruplexes and other DNA analogues. <i>Scientific Reports</i> , 2016, 6, 27079. | 3.3 | 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. | 2.8 | 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. | 2.0 | 18 |
| 141 | Free-Standing, Nanopatterned Janus Membranes of Conducting Polymer—Virus Nanoparticle Arrays. <i>Langmuir</i> , 2016, 32, 6185-6193. | 3.5 | 13 |
| 142 | Production of Immunoabsorbent Nanoparticles by Displaying Single-Domain Protein A on Potato Virus X. <i>Macromolecular Bioscience</i> , 2016, 16, 231-241. | 4.1 | 32 |
| 143 | Tobacco Mosaic Virus Delivery of Phenanthriplatin for Cancer therapy. <i>ACS Nano</i> , 2016, 10, 4119-4126. | 14.6 | 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. | 5.2 | 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. | 5.6 | 18 |
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