

Flavia Fontana

List of Publications by Year in descending order

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41
papers

2,036
citations

236833

25
h-index

302012

39
g-index

47
all docs

47
docs citations

47
times ranked

3023
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidic-assisted fabrication of carriers for controlled drug delivery. <i>Lab on A Chip</i> , 2017, 17, 1856-1883.	3.1	183
2	Current developments and applications of microfluidic technology toward clinical translation of nanomedicines. <i>Advanced Drug Delivery Reviews</i> , 2018, 128, 54-83.	6.6	159
3	Multistaged Nanovaccines Based on Porous Silicon@Acetalated Dextran@Cancer Cell Membrane for Cancer Immunotherapy. <i>Advanced Materials</i> , 2017, 29, 1603239.	11.1	144
4	Microneedles for painless transdermal immunotherapeutic applications. <i>Journal of Controlled Release</i> , 2021, 330, 185-217.	4.8	131
5	Tailoring Porous Silicon for Biomedical Applications: From Drug Delivery to Cancer Immunotherapy. <i>Advanced Materials</i> , 2018, 30, e1703740.	11.1	127
6	Production of pure drug nanocrystals and nano co-crystals by confinement methods. <i>Advanced Drug Delivery Reviews</i> , 2018, 131, 3-21.	6.6	115
7	Artificially cloaked viral nanovaccine for cancer immunotherapy. <i>Nature Communications</i> , 2019, 10, 5747.	5.8	86
8	Microfluidics as a cutting-edge technique for drug delivery applications. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 34, 76-87.	1.4	75
9	Dual-Responsive Crosslinked Dynamic Hydrogel Incorporating MoS_2 with pH and NIR Responsiveness for Chemo-Photothermal Therapy. <i>Advanced Materials</i> , 2021, 33, e2007761.	11.1	73
10	Delivery of therapeutics with nanoparticles: what's new in cancer immunotherapy?. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017, 9, e1421.	3.3	72
11	Peptide-guided resiquimod-loaded lignin nanoparticles convert tumor-associated macrophages from M2 to M1 phenotype for enhanced chemotherapy. <i>Acta Biomaterialia</i> , 2021, 133, 231-243.	4.1	72
12	pH and Reactive Oxygen Species-Sequential Responsive Nano-Micro Composite for Targeted Therapy of Inflammatory Bowel Disease. <i>Advanced Functional Materials</i> , 2018, 28, 1806175.	7.8	68
13	Microfluidics for Production of Particles: Mechanism, Methodology, and Applications. <i>Small</i> , 2020, 16, e1904673.	5.2	63
14	Nutlin-3a and Cytokine Co-loaded Spermine-Modified Acetalated Dextran Nanoparticles for Cancer Chemo-Immunotherapy. <i>Advanced Functional Materials</i> , 2017, 27, 1703303.	7.8	61
15	Biomimetic Engineering Using Cancer Cell Membranes for Designing Compartmentalized Nanoreactors with Organelle-Like Functions. <i>Advanced Materials</i> , 2017, 29, 1605375.	11.1	54
16	Engineered Multifunctional Albumin-Decorated Porous Silicon Nanoparticles for FcRn Translocation of Insulin. <i>Small</i> , 2018, 14, e1800462.	5.2	53
17	Quercetin-Based Modified Porous Silicon Nanoparticles for Enhanced Inhibition of Doxorubicin-Resistant Cancer Cells. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601009.	3.9	49
18	Microfluidic Nanoassembly of Bioengineered Chitosan-Modified FcRn-Targeted Porous Silicon Nanoparticles @ Hypromellose Acetate Succinate for Oral Delivery of Antidiabetic Peptides. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44354-44367.	4.0	47

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19	Bioengineered Porous Silicon Nanoparticles@Macrophages Cell Membrane as Composite Platforms for Rheumatoid Arthritis. <i>Advanced Functional Materials</i> , 2018, 28, 1801355.	7.8	44
20	Dual-peptide functionalized acetalated dextran-based nanoparticles for sequential targeting of macrophages during myocardial infarction. <i>Nanoscale</i> , 2020, 12, 2350-2358.	2.8	42
21	Development of vaccine formulations: past, present, and future. <i>Drug Delivery and Translational Research</i> , 2021, 11, 353-372.	3.0	41
22	Biohybrid Vaccines for Improved Treatment of Aggressive Melanoma with Checkpoint Inhibitor. <i>ACS Nano</i> , 2019, 13, 6477-6490.	7.3	36
23	Platelet Lysate-Modified Porous Silicon Microparticles for Enhanced Cell Proliferation in Wound Healing Applications. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 988-996.	4.0	33
24	Requirements for Animal Experiments: Problems and Challenges. <i>Small</i> , 2021, 17, e2004182.	5.2	33
25	Immunostimulation and Immunosuppression: Nanotechnology on the Brink. <i>Small Methods</i> , 2018, 2, 1700347.	4.6	32
26	Acetalated dextran based nano- and microparticles: synthesis, fabrication, and therapeutic applications. <i>Chemical Communications</i> , 2021, 57, 4212-4229.	2.2	25
27	Multifunctional Biomimetic Nanovaccines Based on Photothermal and Weak Immunostimulatory Nanoparticulate Cores for the Immunotherapy of Solid Tumors. <i>Advanced Materials</i> , 2022, 34, e2108012.	11.1	25
28	Recombination Monophosphoryl Lipid A-Derived Vacosome for the Development of Preventive Cancer Vaccines. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44554-44562.	4.0	17
29	Nuts and Bolts: Microfluidics for the Production of Biomaterials. <i>Advanced Materials Technologies</i> , 2019, 4, 1800611.	3.0	14
30	Microparticles to enhance delivery of drugs and growth factors into wound sites. <i>Therapeutic Delivery</i> , 2016, 7, 711-732.	1.2	13
31	Influence of Cell Membrane Wrapping on the Cell~Porous Silicon Nanoparticle Interactions. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000529.	3.9	11
32	Tandem~Mass~Tag Based Proteomic Analysis Facilitates Analyzing Critical Factors of Porous Silicon Nanoparticles in Determining Their Biological Responses under Diseased Condition. <i>Advanced Science</i> , 2020, 7, 2001129.	5.6	11
33	Hybrid red blood cell membrane coated porous silicon nanoparticles functionalized with cancer antigen induce depletion of T cells. <i>RSC Advances</i> , 2020, 10, 35198-35205.	1.7	10
34	Microfluidics: Microfluidics for Production of Particles: Mechanism, Methodology, and Applications (Small 9/2020). <i>Small</i> , 2020, 16, 2070048.	5.2	5
35	Microfluidics: Nuts and Bolts: Microfluidics for the Production of Biomaterials (<i>Adv. Mater.</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5	3.0	3
36	Nanoreactors: Biomimetic Engineering Using Cancer Cell Membranes for Designing Compartmentalized Nanoreactors with Organelle~Like Functions (<i>Adv. Mater.</i> 11/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	1

#	ARTICLE	IF	CITATIONS
37	Advanced Nanovaccines for Immunotherapy Applications: From Concept to Animal Tests. , 2019, , 231-260.		1
38	Nanovaccines: Multistaged Nanovaccines Based on Porous Silicon@Acetalated Dextran@Cancer Cell Membrane for Cancer Immunotherapy (Adv. Mater. 7/2017). Advanced Materials, 2017, 29, .	11.1	0
39	Inside Cover Image, Volume 9, Issue 1. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1459.	3.3	0
40	Biohybrid Nanosystems for Cancer Treatment: Merging the Best of Two Worlds. Advances in Experimental Medicine and Biology, 2021, 1295, 135-162.	0.8	0
41	Multifunctional Biomimetic Nanovaccines Based on Photothermal and Weakâ€Immunistimulatory Nanoparticulate Cores for the Immunotherapy of Solid Tumors (Adv. Mater. 9/2022). Advanced Materials, 2022, 34, .	11.1	0