

# Maria Marlow

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,513  
citations

331259

21  
h-index

301761

39  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2090  
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into low molecular mass organic gelators: a focus on drug delivery and tissue engineering applications. <i>Soft Matter</i> , 2014, 10, 237-256.	1.2	317
2	Use of polyphosphazenes for skeletal tissue regeneration. <i>Journal of Biomedical Materials Research Part B</i> , 1993, 27, 963-973.	3.0	167
3	Intradermal and transdermal drug delivery using microneedles – Fabrication, performance evaluation and application to lymphatic delivery. <i>Advanced Drug Delivery Reviews</i> , 2020, 153, 195-215.	6.6	102
4	Microspheres for targeting drugs to specific body sites. <i>Journal of Controlled Release</i> , 1993, 24, 157-163.	4.8	83
5	Characterization of Drug Particle Surface Energetics and Young's Modulus by Atomic Force Microscopy and Inverse Gas Chromatography. <i>Pharmaceutical Research</i> , 2005, 22, 1158-1166.	1.7	70
6	Expanding the applications of microneedles in dermatology. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 140, 121-140.	2.0	69
7	Chain length affects pancreatic lipase activity and the extent and pH-time profile of triglyceride lipolysis. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 93, 353-362.	2.0	56
8	An in-vitro evaluation of coralline porous hydroxyapatite as a scaffold for osteoblast growth. <i>Clinical Materials</i> , 1994, 17, 85-91.	0.5	50
9	Supramolecular Nucleoside-Based Gel: Molecular Dynamics Simulation and Characterization of Its Nanoarchitecture and Self-Assembly Mechanism. <i>Langmuir</i> , 2018, 34, 6912-6921.	1.6	44
10	Surface-Mediated Supramolecular Self-Assembly of Protein, Peptide, and Nucleoside Derivatives: From Surface Design to the Underlying Mechanism and Tailored Functions. <i>Langmuir</i> , 2018, 34, 15109-15125.	1.6	41
11	Antitumour benzothiazoles. Part 32: DNA adducts and double strand breaks correlate with activity; synthesis of 5F203 hydrogels for local delivery. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 6891-6899.	1.4	39
12	Etoposide and olaparib polymer-coated nanoparticles within a bioadhesive sprayable hydrogel for post-surgical localised delivery to brain tumours. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 157, 108-120.	2.0	39
13	Insight into imiquimod skin permeation and increased delivery using microneedle pre-treatment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 139, 33-43.	2.0	34
14	Formation of fluorinated nonionic surfactant microemulsions in hydrofluorocarbon 134a (HFC 134a). <i>Journal of Colloid and Interface Science</i> , 2003, 258, 345-353.	5.0	30
15	Surface Modification of Microspheres with Steric Stabilizing and Cationic Polymers for Gene Delivery. <i>Langmuir</i> , 2008, 24, 7138-7146.	1.6	30
16	Intradermal delivery of imiquimod using polymeric microneedles for basal cell carcinoma. <i>International Journal of Pharmaceutics</i> , 2020, 589, 119808.	2.6	29
17	Biomedical engineering approaches to enhance therapeutic delivery for malignant glioma. <i>Journal of Controlled Release</i> , 2020, 328, 917-931.	4.8	25
18	Intradermal Delivery of an Immunomodulator for Basal Cell Carcinoma; Expanding the Mechanistic Insight into Solid Microneedle-Enhanced Delivery of Hydrophobic Molecules. <i>Molecular Pharmaceutics</i> , 2020, 17, 2925-2937.	2.3	25

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19	Gelation properties of self-assembling N-acyl modified cytidine derivatives. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8412-8417.	2.9	22
20	A quantitative assessment of inhaled drug particle-pulmonary surfactant interaction by atomic force microscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 73, 97-102.	2.5	21
21	Developing a self-healing supramolecular nucleoside hydrogel. <i>Soft Matter</i> , 2016, 12, 8950-8957.	1.2	21
22	Surface-directed modulation of supramolecular gel properties. <i>Chemical Communications</i> , 2016, 52, 4298-4300.	2.2	21
23	Role of self-assembly conditions and amphiphilic balance on nanoparticle formation of PEG-PDLLA copolymers in aqueous environments. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1801-1810.	2.5	20
24	A novel low molecular weight nanocomposite hydrogel formulation for intra-tumoural delivery of anti-cancer drugs. <i>International Journal of Pharmaceutics</i> , 2019, 565, 151-161.	2.6	20
25	Fluorinated ionic surfactant microemulsions in hydrofluorocarbon 134a (HFC 134a). <i>Journal of Colloid and Interface Science</i> , 2003, 258, 354-362.	5.0	18
26	In vivo evaluation of protein adsorption to sterically stabilised colloidal carriers. <i>Journal of Biomedical Materials Research Part B</i> , 1993, 27, 861-866.	3.0	15
27	Linking <i>in Vitro</i> Lipolysis and Microsomal Metabolism for the Quantitative Prediction of Oral Bioavailability of BCS II Drugs Administered in Lipidic Formulations. <i>Molecular Pharmaceutics</i> , 2016, 13, 3526-3540.	2.3	14
28	Linifanib - a multi-targeted receptor tyrosine kinase inhibitor and a low molecular weight gelator. <i>Chemical Communications</i> , 2015, 51, 6384-6387.	2.2	12
29	Label-Free Raman Hyperspectral Imaging of Single Cells Cultured on Polymer Substrates. <i>Applied Spectroscopy</i> , 2017, 71, 2595-2607.	1.2	12
30	Macroporous surface modified microparticles. <i>Soft Matter</i> , 2008, 4, 1597.	1.2	9
31	Characterisation of mechanical insertion of commercial microneedles. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 58, 101766.	1.4	9
32	Mechanistic investigations into the encapsulation and release of small molecules and proteins from a supramolecular nucleoside gel in vitro and in vivo. <i>Journal of Controlled Release</i> , 2020, 317, 118-129.	4.8	8
33	Hydrophobicity of surface-immobilised molecules influences architectures formed via interfacial self-assembly of nucleoside-based gelators. <i>Soft Matter</i> , 2018, 14, 9851-9855.	1.2	7
34	Surface-controlled spatially heterogeneous physical properties of a supramolecular gel with homogeneous chemical composition. <i>Chemical Science</i> , 2021, 12, 14260-14269.	3.7	7
35	Development of a nanocapsule-loaded hydrogel for drug delivery for intraperitoneal administration. <i>International Journal of Pharmaceutics</i> , 2022, 622, 121828.	2.6	7
36	Nucleoside-Based Self-Assembling Drugs for Localized Drug Delivery. <i>ChemMedChem</i> , 2018, 13, 1098-1101.	1.6	5

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37	The influence of nanotexturing of poly(lactic-co-glycolic acid) films upon human ovarian cancer cell attachment. <i>Nanotechnology</i> , 2016, 27, 255102.	1.3	3
38	Self-Assembling Benzothiazole-Based Gelators: A Mechanistic Understanding of in Vitro Bioactivation and Gelation. <i>Molecular Pharmaceutics</i> , 2018, 15, 1578-1586.	2.3	3
39	Low Molecular Weight Nucleoside Gelators: A Platform for Protein Aggregation Inhibition. <i>Molecular Pharmaceutics</i> , 2019, 16, 462-467.	2.3	3
40	Detection of Label-Free Drugs within Brain Tissue Using Orbitrap Secondary Ion Mass Spectrometry as a Complement to Neuro-Oncological Drug Delivery. <i>Pharmaceutics</i> , 2022, 14, 571.	2.0	3
41	Smart Lipid-Based Drug Delivery Systems. , 2016, , 309-371.		2
42	A mechanically-engineered spray to increase brain penetration of chemotherapeutic nanoparticles in the treatment of high-grade gliomas. <i>Neuro-Oncology</i> , 2019, 21, iv1-iv1.	0.6	0