

# Michelle Franz-Montan

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

1,560  
citations

279487

23  
h-index

344852

36  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1974  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver nanoparticles in dentistry. <i>Dental Materials</i> , 2017, 33, 1110-1126.	1.6	213
2	Use of phytotherapy in dentistry. <i>Phytotherapy Research</i> , 2008, 22, 993-998.	2.8	73
3	Micro and nanosystems for delivering local anesthetics. <i>Expert Opinion on Drug Delivery</i> , 2012, 9, 1505-1524.	2.4	72
4	Nanostructured lipid carriers as robust systems for topical lidocaine-prilocaine release in dentistry. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 93, 192-202.	1.9	72
5	Drug Delivery Systems for Local Anesthetics. <i>Recent Patents on Drug Delivery and Formulation</i> , 2010, 4, 23-34.	2.1	56
6	Strategies for delivering local anesthetics to the skin: focus on liposomes, solid lipid nanoparticles, hydrogels and patches. <i>Expert Opinion on Drug Delivery</i> , 2013, 10, 1551-1563.	2.4	55
7	Fusogenic Liposomes Increase the Antimicrobial Activity of Vancomycin Against <i>Staphylococcus aureus</i> Biofilm. <i>Frontiers in Pharmacology</i> , 2019, 10, 1401.	1.6	51
8	Recent advances and perspectives in topical oral anesthesia. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 673-684.	2.4	47
9	Liposomal lidocaine gel for topical use at the oral mucosa: characterization, <i>in vitro</i> assays and <i>in vivo</i> anesthetic efficacy in humans. <i>Journal of Liposome Research</i> , 2015, 25, 11-19.	1.5	46
10	Liposome-Encapsulated Ropivacaine for Topical Anesthesia of Human Oral Mucosa. <i>Anesthesia and Analgesia</i> , 2007, 104, 1528-1531.	1.1	41
11	Local Neurotoxicity and Myotoxicity Evaluation of Cyclodextrin Complexes of Bupivacaine and Ropivacaine. <i>Anesthesia and Analgesia</i> , 2012, 115, 1234-1241.	1.1	40
12	Hybrid Hydrogel Composed of Polymeric Nanocapsules Co-Loading Lidocaine and Prilocaine for Topical Intraoral Anesthesia. <i>Scientific Reports</i> , 2018, 8, 17972.	1.6	38
13	Influence of salivary washout on drug delivery to the oral cavity using coated microneedles: An <i>in vitro</i> evaluation. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 93, 215-223.	1.9	35
14	Evaluation of different pig oral mucosa sites as permeability barrier models for drug permeation studies. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 81, 52-59.	1.9	33
15	Liposomal delivery system for topical anaesthesia of the palatal mucosa. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2012, 50, 60-64.	0.4	32
16	Advances in Hybrid Polymer-Based Materials for Sustained Drug Release. <i>International Journal of Polymer Science</i> , 2017, 2017, 1-16.	1.2	30
17	<i>In vitro</i> evaluation of the effect of nicotine, cotinine, and caffeine on oral microorganisms. <i>Canadian Journal of Microbiology</i> , 2008, 54, 501-508.	0.8	28
18	Liposome-encapsulated ropivacaine for intraoral topical anesthesia. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2010, 110, 800-804.	1.6	26

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19	Characterization of Articaine-Loaded Poly( $\epsilon$ -caprolactone) Nanocapsules and Solid Lipid Nanoparticles in Hydrogels for Topical Formulations. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 4428-4438.	0.9	26
20	Transdermal delivery of butamben using elastic and conventional liposomes. <i>Journal of Liposome Research</i> , 2013, 23, 228-234.	1.5	25
21	Development of egg PC/cholesterol/ $\alpha$ -tocopherol liposomes with ionic gradients to deliver ropivacaine. <i>Journal of Liposome Research</i> , 2016, 26, 1-10.	1.5	25
22	Liposomal-benzocaine gel formulation: correlation between <i>in vitro</i> assays and <i>in vivo</i> topical anesthesia in volunteers. <i>Journal of Liposome Research</i> , 2013, 23, 54-60.	1.5	24
23	Nanohybrid hydrogels designed for transbuccal anesthesia. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 6453-6463.	3.3	24
24	Changes in salivary microbiota increase volatile sulfur compounds production in healthy male subjects with academic-related chronic stress. <i>PLoS ONE</i> , 2017, 12, e0173686.	1.1	24
25	Current Challenges and Future of Lipid Nanoparticles Formulations for Topical Drug Application to Oral Mucosa, Skin, and Eye. <i>Current Pharmaceutical Design</i> , 2018, 23, 6659-6675.	0.9	24
26	Efficacy of liposome-encapsulated mepivacaine for infiltrative anesthesia in volunteers. <i>Journal of Liposome Research</i> , 2011, 21, 88-94.	1.5	23
27	Ulceration of gingival mucosa after topical application of EMLA: report of four cases. <i>British Dental Journal</i> , 2008, 204, 133-134.	0.3	20
28	Encapsulation of ropivacaine in a combined (donor-acceptor, ionic-gradient) liposomal system promotes extended anesthesia time. <i>PLoS ONE</i> , 2017, 12, e0185828.	1.1	20
29	A crossover clinical study to evaluate pain intensity from microneedle insertion in different parts of the oral cavity. <i>International Journal of Pharmaceutics</i> , 2021, 592, 120050.	2.6	19
30	Effects of surgical removal of mandibular third molar on the periodontium of the second molar. <i>International Journal of Dental Hygiene</i> , 2008, 6, 123-128.	0.8	16
31	Complexation of oxethazaine with 2-hydroxypropyl- $\beta$ -cyclodextrin: increased drug solubility, decreased cytotoxicity and analgesia at inflamed tissues. <i>Journal of Pharmacy and Pharmacology</i> , 2017, 69, 652-662.	1.2	16
32	Development and Evaluation of a Novel Mucoadhesive Film Containing <i>Acmella oleracea</i> Extract for Oral Mucosa Topical Anesthesia. <i>PLoS ONE</i> , 2016, 11, e0162850.	1.1	16
33	Effect of sodium diclofenac on the bioavailability of amoxicillin. <i>International Journal of Antimicrobial Agents</i> , 2006, 27, 417-422.	1.1	15
34	Microneedles enhance topical delivery of 15-deoxy- $\Delta^{12,14}$ -prostaglandin J <sub>2</sub> and reduce nociception in temporomandibular joint of rats. <i>Journal of Controlled Release</i> , 2017, 265, 22-29.	4.8	15
35	Hybrid nanofilms as topical anesthetics for pain-free procedures in dentistry. <i>Scientific Reports</i> , 2020, 10, 11341.	1.6	15
36	Liposomal encapsulation improves the duration of soft tissue anesthesia but does not induce pulpal anesthesia. <i>Journal of Clinical Anesthesia</i> , 2010, 22, 313-317.	0.7	14

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37	Efficacy of liposome-encapsulated 0.5% ropivacaine in maxillary dental anaesthesia. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2012, 50, 454-458.	0.4	13
38	Effect of articaine on mental nerve anterior portion: Histological analysis in rats. <i>Acta Odontologica Scandinavica</i> , 2013, 71, 82-87.	0.9	13
39	A new approach for the total synthesis of spilanthal and analogue with improved anesthetic activity. <i>Tetrahedron</i> , 2018, 74, 5192-5199.	1.0	12
40	Capsaicin-Cyclodextrin Complex Enhances Mepivacaine Targeting and Improves Local Anesthesia in Inflamed Tissues. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5741.	1.8	12
41	Concentrations of metronidazole in human plasma and saliva after tablet or gel administration. <i>Journal of Pharmacy and Pharmacology</i> , 2013, 66, 40-47.	1.2	11
42	Nanostructured systems for transbuccal drug delivery. , 2017, , 87-121.		11
43	Bupivacaine in alginate and chitosan nanoparticles: an in vivo evaluation of efficacy, pharmacokinetics, and local toxicity. <i>Journal of Pain Research</i> , 2018, Volume 11, 683-691.	0.8	11
44	Pharmacokinetic study of liposome-encapsulated and plain mepivacaine formulations injected intra-orally in volunteers. <i>Journal of Pharmacy and Pharmacology</i> , 2012, 64, 397-403.	1.2	10
45	Anaesthetic efficacy of bupivacaine 2-hydroxypropyl- $\beta$ -cyclodextrin for dental anaesthesia after inferior alveolar nerve block in rats. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2014, 52, 452-457.	0.4	10
46	Anaesthetic efficacy of unilamellar and multilamellar liposomal formulations of articaine in inflamed and uninflamed tissue. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2016, 54, 295-300.	0.4	10
47	Anaesthetic benefits of a ternary drug delivery system (Ropivacaine-in-Cyclodextrin-in-Liposomes): <i>in-vitro</i> and <i>in-vivo</i> evaluation. <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 396-408.	1.2	10
48	Effects of academic stress on the levels of oral volatile sulfur compounds, halitosis-related bacteria and stress biomarkers of healthy female undergraduate students. <i>Journal of Breath Research</i> , 2020, 14, 036005.	1.5	10
49	Full-Thickness Intraoral Mucosa Barrier Models for <i>In Vitro</i> Drug-Permeation Studies Using Microneedles. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 1756-1764.	1.6	9
50	Liposomal butamben gel formulations: toxicity assays and topical anesthesia in an animal model. <i>Journal of Liposome Research</i> , 2017, 27, 74-82.	1.5	8
51	Mucoadhesive, Thermoreversible Hydrogel, Containing Tetracaine-Loaded Nanostructured Lipid Carriers for Topical, Intranasal Needle-Free Anesthesia. <i>Pharmaceutics</i> , 2021, 13, 1760.	2.0	8
52	Resistivity Technique for the Evaluation of the Integrity of Buccal and Esophageal Epithelium Mucosa for <i>In Vitro</i> Permeation Studies: Swine Buccal and Esophageal Mucosa Barrier Models. <i>Pharmaceutics</i> , 2021, 13, 643.	2.0	7
53	Pharmacokinetic profile of liposome-encapsulated ropivacaine after maxillary infiltration anaesthesia. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 1945-1951.	0.6	6
54	Stress-related salivary proteins affect the production of volatile sulfur compounds by oral bacteria. <i>Oral Diseases</i> , 2018, 24, 1358-1366.	1.5	6

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55	Nanostructured organic-organic bio-hybrid delivery systems. , 2019, , 341-374.		5
56	Promising potential of articaine-loaded poly(epsilon-caprolactone) nanocapules for intraoral topical anesthesia. PLoS ONE, 2021, 16, e0246760.	1.1	5
57	Comparison of antinociceptive effects of plain lidocaine versus lidocaine complexed with hydroxypropyl-β-cyclodextrin in animal models of acute and persistent orofacial pain. Naunyn-Schmiedeberg's Archives of Pharmacology, 2019, 392, 573-583.	1.4	4
58	Palatal needle-free anesthesia for upper molars extraction. A randomized clinical trial. Journal of Cranio-Maxillo-Facial Surgery, 2020, 48, 815-819.	0.7	4
59	Innovative Mucoadhesive Precursor of Liquid Crystalline System Loading Anti-Gellatinolytic Peptide for Topical Treatment of Oral Cancer. Journal of Biomedical Nanotechnology, 2021, 17, 253-262.	0.5	4
60	Effect of accelerated stability on the physical, chemical, and mechanical properties of experimental bleaching gels containing different bioadhesive polymers. Clinical Oral Investigations, 2022, 26, 3261-3271.	1.4	4
61	Efficacy of 1% ropivacaine gel for topical anesthesia of human oral mucosa. Quintessence International, 2007, 38, 601-6.	0.3	4
62	The effect of combined bleaching techniques on oral microbiota. Indian Journal of Dental Research, 2009, 20, 304.	0.1	3
63	Validation of an HPLC Method Devised for the Quantitative Determination of Ropivacaine in Drug-Delivery Systems. Journal of Analytical Bioanalytical and Separation Techniques, 2018, 3, 14-20.	0.1	1
64	Mãscaras caseiras na pandemia de COVID-19: recomendações, características físicas, desinfecção e eficácia de uso. , 0, , .		0