

Joy E Collins

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6813178/publications.pdf>

Version: 2024-02-01

24
papers

1,699
citations

516710

16
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

1928
citing authors

#	ARTICLE	IF	CITATIONS
1	An ingestible bacterial-electronic system to monitor gastrointestinal health. <i>Science</i> , 2018, 360, 915-918.	12.6	380
2	An ingestible self-orienting system for oral delivery of macromolecules. <i>Science</i> , 2019, 363, 611-615.	12.6	287
3	Ingestible hydrogel device. <i>Nature Communications</i> , 2019, 10, 493.	12.8	168
4	A luminal unfolding microneedle injector for oral delivery of macromolecules. <i>Nature Medicine</i> , 2019, 25, 1512-1518.	30.7	167
5	3D-Printed Gastric Resident Electronics. <i>Advanced Materials Technologies</i> , 2019, 4, 1800490.	5.8	72
6	Light-degradable hydrogels as dynamic triggers for gastrointestinal applications. <i>Science Advances</i> , 2020, 6, eaay0065.	10.3	71
7	A microneedle platform for buccal macromolecule delivery. <i>Science Advances</i> , 2021, 7, .	10.3	70
8	Oral delivery of systemic monoclonal antibodies, peptides and small molecules using gastric auto-injectors. <i>Nature Biotechnology</i> , 2022, 40, 103-109.	17.5	64
9	Dynamic omnidirectional adhesive microneedle system for oral macromolecular drug delivery. <i>Science Advances</i> , 2022, 8, eabk1792.	10.3	54
10	Kirigami-inspired stents for sustained local delivery of therapeutics. <i>Nature Materials</i> , 2021, 20, 1085-1092.	27.5	52
11	Temperature-responsive biometamaterials for gastrointestinal applications. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	51
12	Oral mRNA delivery using capsule-mediated gastrointestinal tissue injections. <i>Matter</i> , 2022, 5, 975-987.	10.0	48
13	A gastric resident drug delivery system for prolonged gram-level dosing of tuberculosis treatment. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	38
14	Gastrointestinal synthetic epithelial linings. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	36
15	Ingestible transiently anchoring electronics for microstimulation and conductive signaling. <i>Science Advances</i> , 2020, 6, eaaz0127.	10.3	35
16	A once-a-month oral contraceptive. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	33
17	Development of oil-based gels as versatile drug delivery systems for pediatric applications. <i>Science Advances</i> , 2022, 8, .	10.3	19
18	Development of a long-acting direct-acting antiviral system for hepatitis C virus treatment in swine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11987-11994.	7.1	15

#	ARTICLE	IF	CITATIONS
19	Thinking green: modelling respirator reuse strategies to reduce cost and waste. <i>BMJ Open</i> , 2021, 11, e048687.	1.9	12
20	Scalable Gastric Resident Systems for Veterinary Application. <i>Scientific Reports</i> , 2018, 8, 11816.	3.3	8
21	Patient and Health Care Worker Perceptions of Communication and Ability to Identify Emotion When Wearing Standard and Transparent Masks. <i>JAMA Network Open</i> , 2021, 4, e2135386.	5.9	7
22	An automated all-in-one system for carbohydrate tracking, glucose monitoring, and insulin delivery. <i>Journal of Controlled Release</i> , 2022, 343, 31-42.	9.9	6
23	Dynamic Monitoring of Systemic Biomarkers with Gastric Sensors. <i>Advanced Science</i> , 2021, 8, e2102861.	11.2	5
24	Respirators in Healthcare: Material, Design, Regulatory, Environmental, and Economic Considerations for Clinical Efficacy. <i>Global Challenges</i> , 2022, 6, .	3.6	1