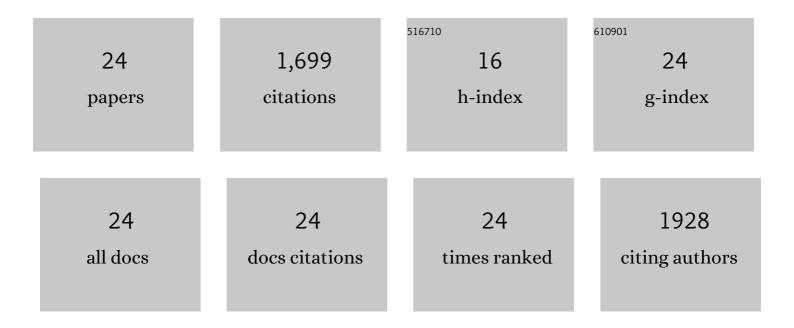
Joy E Collins

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6813178/publications.pdf Version: 2024-02-01



IOV F COLLINS

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

JOY E COLLINS

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Thinking green: modelling respirator reuse strategies to reduce cost and waste. BMJ Open, 2021, 11, e048687. | 1.9 | 12 |
| 20 | Scalable Gastric Resident Systems for Veterinary Application. Scientific Reports, 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. JAMA Network Open, 2021, 4, e2135386. | 5.9 | 7 |
| 22 | An automated all-in-one system for carbohydrate tracking, glucose monitoring, and insulin delivery. Journal of Controlled Release, 2022, 343, 31-42. | 9.9 | 6 |
| 23 | Dynamic Monitoring of Systemic Biomarkers with Gastric Sensors. Advanced Science, 2021, 8, e2102861. | 11.2 | 5 |
| 24 | Respirators in Healthcare: Material, Design, Regulatory, Environmental, and Economic Considerations for Clinical Efficacy. Global Challenges, 2022, 6, . | 3.6 | 1 |