

Jonathan B L Bard

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4513120/publications.pdf>

Version: 2024-02-01

57
papers

5,889
citations

361045
20
h-index

214527
47
g-index

74
all docs

74
docs citations

74
times ranked

6421
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The OBO Foundry: coordinated evolution of ontologies to support biomedical data integration. <i>Nature Biotechnology</i> , 2007, 25, 1251-1255. | 9.4 | 1,955 |
| 2 | COLLAGEN SUBSTRATA FOR STUDIES ON CELL BEHAVIOR. <i>Journal of Cell Biology</i> , 1972, 54, 626-637. | 2.3 | 1,441 |
| 3 | The candidate Wilms' tumour gene is involved in genitourinary development. <i>Nature</i> , 1990, 346, 194-197. | 13.7 | 814 |
| 4 | An ontology for cell types. <i>Genome Biology</i> , 2005, 6, R21. | 13.9 | 357 |
| 5 | Ontologies in biology: design, applications and future challenges. <i>Nature Reviews Genetics</i> , 2004, 5, 213-222. | 7.7 | 293 |
| 6 | How well does Turing's theory of morphogenesis work?. <i>Journal of Theoretical Biology</i> , 1974, 45, 501-531. | 0.8 | 126 |
| 7 | EMAP and EMAGE: A Framework for Understanding Spatially Organized Data. <i>Neuroinformatics</i> , 2003, 1, 309-326. | 1.5 | 109 |
| 8 | Cellular Interactions in Mass Cultures of Human Diploid Fibroblasts. <i>Nature</i> , 1972, 236, 152-155. | 13.7 | 94 |
| 9 | The growth and morphogenesis of the early mouse mandible: a quantitative analysis. <i>Journal of Anatomy</i> , 2003, 203, 213-222. | 0.9 | 82 |
| 10 | Ontologies: Formalising biological knowledge for bioinformatics. <i>BioEssays</i> , 2003, 25, 501-506. | 1.2 | 55 |
| 11 | Growth and death in the developing mammalian kidney: signals, receptors and conversations. <i>BioEssays</i> , 2002, 24, 72-82. | 1.2 | 50 |
| 12 | Pathbase: a database of mutant mouse pathology. <i>Nucleic Acids Research</i> , 2004, 32, 512D-515. | 6.5 | 49 |
| 13 | Early nephron formation in the developing mouse kidney. <i>Journal of Anatomy</i> , 2001, 199, 385-392. | 0.9 | 43 |
| 14 | Anatomics: the intersection of anatomy and bioinformatics. <i>Journal of Anatomy</i> , 2005, 206, 1-16. | 0.9 | 39 |
| 15 | What's New? A real mouse for your computer. <i>BioEssays</i> , 1992, 14, 501-502. | 1.2 | 37 |
| 16 | Traction and the formation of mesenchymal condensations <i>in vivo</i> . <i>BioEssays</i> , 1990, 12, 389-395. | 1.2 | 36 |
| 17 | An ontology of human developmental anatomy. <i>Journal of Anatomy</i> , 2003, 203, 347-355. | 0.9 | 36 |
| 18 | Waddington's Legacy to Developmental and Theoretical Biology. <i>Biological Theory</i> , 2008, 3, 188-197. | 0.8 | 25 |

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|----|--|-----|-----------|
| 19 | Diameters of Collagen Fibrils grown in vitro. <i>Nature: New Biology</i> , 1973, 246, 83-84. | 4.5 | 23 |
| 20 | Pathbase: a new reference resource and database for laboratory mouse pathology. <i>Radiation Protection Dosimetry</i> , 2004, 112, 525-528. | 0.4 | 21 |
| 21 | Apoptosis in the cortex of the developing mouse kidney. <i>Journal of Anatomy</i> , 2002, 201, 477-484. | 0.9 | 19 |
| 22 | A new ontology (structured hierarchy) of human developmental anatomy for the first 7 weeks (<sc>C</sc>arnegie <sc>s</sc>tages 1-20). <i>Journal of Anatomy</i> , 2012, 221, 406-416. | 0.9 | 18 |
| 23 | Systems developmental biology: the use of ontologies in annotating models and in identifying gene function within and across species. <i>Mammalian Genome</i> , 2007, 18, 402-411. | 1.0 | 15 |
| 24 | A systems biology view of evolutionary genetics. <i>BioEssays</i> , 2010, 32, 559-563. | 1.2 | 15 |
| 25 | COBrA: a bio-ontology editor. <i>Bioinformatics</i> , 2005, 21, 825-826. | 1.8 | 14 |
| 26 | A bioinformatics approach for identifying candidate transcriptional regulators of mesenchyme-to-epithelium transitions in mouse embryos. <i>Developmental Dynamics</i> , 2008, 237, 2748-2754. | 0.8 | 13 |
| 27 | A traction-based mechanism for somitogenesis in the chick. <i>Roux's Archives of Developmental Biology</i> , 1988, 197, 513-517. | 1.2 | 10 |
| 28 | The SOFG Anatomy Entry List (SAEL): An Annotation Tool for Functional Genomics Data. <i>Comparative and Functional Genomics</i> , 2004, 5, 521-527. | 2.0 | 9 |
| 29 | Systems Biology – the Broader Perspective. <i>Cells</i> , 2013, 2, 414-431. | 1.8 | 8 |
| 30 | The Metanephros. , 2003, , 139-148. | | 7 |
| 31 | A systems biology representation of developmental anatomy. <i>Journal of Anatomy</i> , 2011, 218, 591-599. | 0.9 | 7 |
| 32 | The AEO, an Ontology of Anatomical Entities for Classifying Animal Tissues and Organs. <i>Frontiers in Genetics</i> , 2012, 3, 18. | 1.1 | 7 |
| 33 | Driving developmental and evolutionary change: A systems biology view. <i>Progress in Biophysics and Molecular Biology</i> , 2013, 111, 83-91. | 1.4 | 7 |
| 34 | Epilogue. <i>Progress in Biophysics and Molecular Biology</i> , 2013, 111, 147-149. | 1.4 | 7 |
| 35 | Analysis of biological networks. <i>Journal of Anatomy</i> , 2009, 215, 473-473. | 0.9 | 5 |
| 36 | Plenary discussion of the conceptual foundations of systems biology. <i>Progress in Biophysics and Molecular Biology</i> , 2013, 111, 137-140. | 1.4 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Growth Regulation In Multilayered Cultures of Human Diploid Fibroblasts: the Roles of Contact, Movement and Matrix Production. <i>Cell Proliferation</i> , 1986, 19, 141-154. | 2.4 | 4 |
| 38 | What the books say: The Fifth Day of Creation. <i>BioEssays</i> , 1990, 12, 303-306. | 1.2 | 4 |
| 39 | Conceptual foundations of systems biology. <i>Progress in Biophysics and Molecular Biology</i> , 2013, 111, 55-56. | 1.4 | 4 |
| 40 | Fates of the Metanephric Mesenchyme. , 2003, , 181-193. | | 3 |
| 41 | Generating anatomical variation through mutations in networks – implications for evolution. <i>Journal of Anatomy</i> , 2014, 225, 123-131. | 0.9 | 3 |
| 42 | Fins into Limbs - Edited by B.ÅK. Hall. <i>Journal of Anatomy</i> , 2008, 212, 331-332. | 0.9 | 2 |
| 43 | Anatomical Ontologies for Model Organisms: The Fungi and Animals. <i>Computational Biology</i> , 2008, , 3-25. | 0.1 | 2 |
| 44 | The molecular basis of morphogenesis. , 1990, , 65-119. | | 1 |
| 45 | Problems of British science. <i>Nature</i> , 1991, 353, 378-378. | 13.7 | 1 |
| 46 | Popper's philosophy of science: a practical tool for the working biologist. <i>BioEssays</i> , 2000, 22, 205-205. | 1.2 | 1 |
| 47 | Matthew H. Kaufman (1942-2013) - mouse developmental anatomist. <i>Development (Cambridge)</i> , 2013, 140, 4297-4298. | 1.2 | 1 |
| 48 | C.H. Waddington's differences with the creators of the modern evolutionary synthesis: a tale of two genes. <i>History and Philosophy of the Life Sciences</i> , 2017, 39, 18. | 0.6 | 1 |
| 49 | The Morphogenetic Toolkit. <i>Interdisciplinary Science Reviews</i> , 1991, 16, 214-224. | 1.0 | 0 |
| 50 | Epithelial rearrangement and <i>Drosophila</i> gastrulation. <i>BioEssays</i> , 1991, 13, 409-411. | 1.2 | 0 |
| 51 | The Reproductive System. , 2016, , 121-132. | | 0 |
| 52 | Tinkering and the Origins of Heritable Anatomical Variation in Vertebrates. <i>Biology</i> , 2018, 7, 20. | 1.3 | 0 |
| 53 | Pulling together some threads. , 1990, , 240-266. | | 0 |
| 54 | Preface to the hardback edition. , 1990, , ix-x. | | 0 |

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|----|--|----|-----------|
| 55 | The epithelial repertoire. , 1990, , 181-237. | | 0 |
| 56 | The morphogenetic properties of mesenchyme. , 1990, , 120-180. | | 0 |
| 57 | A dynamic framework for morphogenesis. , 1990, , 238-239. | | 0 |