

# Maryann E Martone

## List of Publications by Year in descending order

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140  
papers

19,376  
citations

44042

48  
h-index

15716

125  
g-index

162  
all docs

162  
docs citations

162  
times ranked

31371  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Standards Organization for Open and FAIR Neuroscience: the International Neuroinformatics Coordinating Facility. <i>Neuroinformatics</i> , 2022, 20, 25-36.	1.5	26
2	Promoting FAIR Data Through Community-driven Agile Design: the Open Data Commons for Spinal Cord Injury (odc-sci.org). <i>Neuroinformatics</i> , 2022, 20, 203-219.	1.5	10
3	Is Neuroscience FAIR? A Call for Collaborative Standardisation of Neuroscience Data. <i>Neuroinformatics</i> , 2022, 20, 507-512.	1.5	23
4	International data governance for neuroscience. <i>Neuron</i> , 2022, 110, 600-612.	3.8	28
5	The Neuron Phenotype Ontology: A FAIR Approach to Proposing and Classifying Neuronal Types. <i>Neuroinformatics</i> , 2022, 20, 793-809.	1.5	3
6	Empowering Data Sharing and Analytics through the Open Data Commons for Traumatic Brain Injury Research. <i>Neurotrauma Reports</i> , 2022, 3, 139-157.	0.5	9
7	Representing Normal and Abnormal Physiology as Routes of Flow in ApiNATOMY. <i>Frontiers in Physiology</i> , 2022, 13, 795303.	1.3	3
8	A decade of <i>GigaScience</i>: the importance of community organizations for open and FAIR efforts in neuroinformatics. <i>GigaScience</i> , 2022, 11, .	3.3	3
9	Cell Centered Database. , 2022, , 692-695.		0
10	Neuroscience Information Framework (NIF). , 2022, , 2454-2458.		0
11	Antibody Watch: Text mining antibody specificity from the literature. <i>PLoS Computational Biology</i> , 2021, 17, e1008967.	1.5	2
12	Integration of evidence across human and model organism studies: A meeting report. <i>Genes, Brain and Behavior</i> , 2021, 20, e12738.	1.1	12
13	The SPARC DRC: Building a Resource for the Autonomic Nervous System Community. <i>Frontiers in Physiology</i> , 2021, 12, 693735.	1.3	31
14	A tool for assessing alignment of biomedical data repositories with open, FAIR, citation and trustworthy principles. <i>PLoS ONE</i> , 2021, 16, e0253538.	1.1	3
15	Using Cloud-Based Resources for Neuroimaging Research: A Practical Approach. <i>NAM Perspectives</i> , 2021, 2021, .	1.3	0
16	FAIR SCI Ahead: The Evolution of the Open Data Commons for Pre-Clinical Spinal Cord Injury Research. <i>Journal of Neurotrauma</i> , 2020, 37, 831-838.	1.7	27
17	The Rigor and Transparency Index Quality Metric for Assessing Biological and Medical Science Methods. <i>IScience</i> , 2020, 23, 101698.	1.9	41
18	The TRUST Principles for digital repositories. <i>Scientific Data</i> , 2020, 7, 144.	2.4	158

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19	Comparing the Use of Research Resource Identifiers and Natural Language Processing for Citation of Databases, Software, and Other Digital Artifacts. <i>Computing in Science and Engineering</i> , 2020, 22, 22-32.	1.2	4
20	Improving transparency and scientific rigor in academic publishing. <i>Brain and Behavior</i> , 2019, 9, e01141.	1.0	23
21	Improving transparency and scientific rigor in academic publishing. <i>Journal of Neuroscience Research</i> , 2019, 97, 377-390.	1.3	39
22	A data citation roadmap for scholarly data repositories. <i>Scientific Data</i> , 2019, 6, 28.	2.4	59
23	The Scholarly Commons. <i>Serials Librarian</i> , 2019, 76, 220-224.	0.2	1
24	Improving transparency and scientific rigor in academic publishing. <i>Cancer Reports</i> , 2019, 2, e1150.	0.6	5
25	Everything Matters: The ReproNim Perspective on Reproducible Neuroimaging. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 1.	1.3	88
26	Incidences of problematic cell lines are lower in papers that use RRIDs to identify cell lines. <i>ELife</i> , 2019, 8, .	2.8	26
27	dkNET (NIDDK Information Network): Research tools that assist scientists in improving the rigor and reproducibility of their research. <i>FASEB Journal</i> , 2019, 33, 802.60.	0.2	0
28	Data sharing in psychology.. <i>American Psychologist</i> , 2018, 73, 111-125.	3.8	52
29	A data citation roadmap for scientific publishers. <i>Scientific Data</i> , 2018, 5, 180259.	2.4	90
30	Community feedback on scholarly content: why it is important and why it should be preserved. <i>Insights: the UKSG Journal</i> , 2018, 31, .	0.1	3
31	Resource Disambiguator for the Web: Extracting Biomedical Resources and Their Citations from the Scientific Literature. <i>PLoS ONE</i> , 2016, 11, e0146300.	1.1	20
32	The FAIR Guiding Principles for scientific data management and stewardship. <i>Scientific Data</i> , 2016, 3, 160018.	2.4	8,670
33	RRIDs: A Simple Step toward Improving Reproducibility through Rigor and Transparency of Experimental Methods. <i>Neuron</i> , 2016, 90, 434-436.	3.8	56
34	The Resource Identification Initiative: A Cultural Shift in Publishing. <i>Neuroinformatics</i> , 2016, 14, 169-182.	1.5	26
35	The Resource Identification Initiative: A cultural shift in publishing. <i>Journal of Comparative Neurology</i> , 2016, 524, 8-22.	0.9	32
36	The Resource Identification Initiative: a cultural shift in publishing. <i>Brain and Behavior</i> , 2016, 6, e00417.	1.0	37

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37	FORCE11: Building the Future for Research Communications and e-Scholarship. <i>BioScience</i> , 2015, 65, 635-635.	2.2	19
38	The Resource Identification Initiative: A cultural shift in publishing. <i>F1000Research</i> , 2015, 4, 134.	0.8	47
39	The Resource Identification Initiative: A cultural shift in publishing. <i>F1000Research</i> , 2015, 4, 134.	0.8	42
40	The NIDDK Information Network: A Community Portal for Finding Data, Materials, and Tools for Researchers Studying Diabetes, Digestive, and Kidney Diseases. <i>PLoS ONE</i> , 2015, 10, e0136206.	1.1	16
41	Interdisciplinary perspectives on the development, integration, and application of cognitive ontologies. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 62.	1.3	51
42	Re-envisioning the business of information: Policies, practices and procedures. <i>Information Services and Use</i> , 2014, 34, 75-84.	0.1	0
43	Automatic detection of mitochondria from electron microscope tomography images: a curve fitting approach. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
44	<i>Brain and Behavior</i>: we want you to share your data. <i>Brain and Behavior</i> , 2014, 4, 1-3.	1.0	5
45	Neuroanatomical domain of the foundational model of anatomy ontology. <i>Journal of Biomedical Semantics</i> , 2014, 5, 1.	0.9	50
46	Big data from small data: data-sharing in the 'long tail' of neuroscience. <i>Nature Neuroscience</i> , 2014, 17, 1442-1447.	7.1	227
47	The Gene Ontology (GO) Cellular Component Ontology: integration with SAO (Subcellular Anatomy) Tj ETQq1 1 0.784314 rgBT /Overdo	0.9	44
48	Connecting Connectomes. <i>Neuroinformatics</i> , 2013, 11, 389-392.	1.5	5
49	NeuroLex.org: an online framework for neuroscience knowledge. <i>Frontiers in Neuroinformatics</i> , 2013, 7, 18.	1.3	67
50	A knowledge based approach to matching human neurodegenerative disease and animal models. <i>Frontiers in Neuroinformatics</i> , 2013, 7, 7.	1.3	8
51	A Comparative Antibody Analysis of Pannexin1 Expression in Four Rat Brain Regions Reveals Varying Subcellular Localizations. <i>Frontiers in Pharmacology</i> , 2013, 4, 6.	1.6	35
52	Neuroscience Information Framework (NIF)., 2013, , 1-5.		0
53	A Survey of the Neuroscience Resource Landscape. <i>International Review of Neurobiology</i> , 2012, 103, 39-68.	0.9	21
54	The cell: an image library-CCDB: a curated repository of microscopy data. <i>Nucleic Acids Research</i> , 2012, 41, D1241-D1250.	6.5	51

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55	Development and use of Ontologies Inside the Neuroscience Information Framework: A Practical Approach. <i>Frontiers in Genetics</i> , 2012, 3, 111.	1.1	47
56	An ontological approach to describing neurons and their relationships. <i>Frontiers in Neuroinformatics</i> , 2012, 6, 15.	1.3	45
57	Biological imaging software tools. <i>Nature Methods</i> , 2012, 9, 697-710.	9.0	462
58	Electron tomographic analysis of synaptic ultrastructure. <i>Journal of Comparative Neurology</i> , 2012, 520, 2697-2711.	0.9	77
59	Challenges and Opportunities in Mining Neuroscience Data. <i>Science</i> , 2011, 331, 708-712.	6.0	162
60	Three-Dimensional Reconstruction of Serial Mouse Brain Sections: Solution for Flattening High-Resolution Large-Scale Mosaics. <i>Frontiers in Neuroanatomy</i> , 2011, 5, 17.	0.9	40
61	Digital Atlasing and Standardization in the Mouse Brain. <i>PLoS Computational Biology</i> , 2011, 7, e1001065.	1.5	109
62	Towards an ontology for psychosis. <i>Cognitive Systems Research</i> , 2010, 11, 42-52.	1.9	5
63	Application of neuroanatomical ontologies for neuroimaging data annotation. <i>Frontiers in Neuroinformatics</i> , 2010, 4, .	1.3	25
64	Dimensionality Reduction on Multi-Dimensional Transfer Functions for Multi-Channel Volume Data Sets. <i>Information Visualization</i> , 2010, 9, 167-180.	1.2	13
65	Three-dimensional electron microscopy reveals new details of membrane systems for Ca <sup>2+</sup> signaling in the heart. <i>Journal of Cell Science</i> , 2009, 122, 1005-1013.	1.2	228
66	Ontology driven data integration for autism research. , 2009, , .		8
67	Ontologies for neuroscience: What are they and what are they good for?. <i>Frontiers in Neuroscience</i> , 2009, 3, 60-7.	1.4	87
68	The Neuroscience Information Framework: A Data and Knowledge Environment for Neuroscience. <i>Neuroinformatics</i> , 2008, 6, 149-160.	1.5	189
69	The NIF LinkOut Broker: A Web Resource to Facilitate Federated Data Integration using NCBI Identifiers. <i>Neuroinformatics</i> , 2008, 6, 219-227.	1.5	17
70	The NIFSTD and BIRNLex Vocabularies: Building Comprehensive Ontologies for Neuroscience. <i>Neuroinformatics</i> , 2008, 6, 175-194.	1.5	130
71	Federated Access to Heterogeneous Information Resources in the Neuroscience Information Framework (NIF). <i>Neuroinformatics</i> , 2008, 6, 205-217.	1.5	66
72	Issues in the Design of a Pilot Concept-Based Query Interface for the Neuroinformatics Information Framework. <i>Neuroinformatics</i> , 2008, 6, 229-239.	1.5	6

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73	The Smart Atlas: Spatial and Semantic Strategies for Multiscale Integration of Brain Data. , 2008, , 267-286.		5
74	The combination of chemical fixation procedures with high pressure freezing and freeze substitution preserves highly labile tissue ultrastructure for electron tomography applications. Journal of Structural Biology, 2008, 161, 359-371.	1.3	111
75	The Cell Centered Database project: An update on building community resources for managing and sharing 3D imaging data. Journal of Structural Biology, 2008, 161, 220-231.	1.3	84
76	The Application of Energy-Filtered Electron Microscopy to Tomography of Thick, Selectively Stained Biological Samples. Methods in Cell Biology, 2007, 79, 643-660.	0.5	4
77	Database Resources for Cellular Electron Microscopy. Methods in Cell Biology, 2007, 79, 799-822.	0.5	5
78	A formal ontology of subcellular neuroanatomy. Frontiers in Neuroinformatics, 2007, 1, 3.	1.3	21
79	Distribution of Kv3.3 potassium channel subunits in distinct neuronal populations of mouse brain. Journal of Comparative Neurology, 2007, 502, 953-972.	0.9	91
80	Synapse formation on neurons born in the adult hippocampus. Nature Neuroscience, 2007, 10, 727-734.	7.1	499
81	Interoperability Across Neuroscience Databases. Methods in Molecular Biology, 2007, 401, 23-36.	0.4	7
82	Real-time multi-scale brain data acquisition, assembly, and analysis using an end-to-end OptIPuter. Future Generation Computer Systems, 2006, 22, 1032-1039.	4.9	9
83	High-Resolution Large-Scale Mosaic Imaging Using Multiphoton Microscopy to Characterize Transgenic Mouse Models of Human Neurological Disorders. Neuroinformatics, 2006, 4, 65-80.	1.5	25
84	Collaborative development of the Arrowsmith two node search interface designed for laboratory investigators. Journal of Biomedical Discovery and Collaboration, 2006, 1, 8.	2.0	26
85	Dicer and eIF2c are enriched at postsynaptic densities in adult mouse brain and are modified by neuronal activity in a calpain-dependent manner. Journal of Neurochemistry, 2005, 94, 896-905.	2.1	250
86	Transient decrease in F-actin may be necessary for translocation of proteins into dendritic spines. European Journal of Neuroscience, 2005, 22, 2995-3005.	1.2	74
87	Evidence for Ectopic Neurotransmission at a Neuronal Synapse. Science, 2005, 309, 446-451.	6.0	167
88	Biomedical informatics research network: building a national collaboratory to hasten the derivation of new understanding and treatment of disease. Studies in Health Technology and Informatics, 2005, 112, 100-9.	0.2	49
89	e-Neuroscience: challenges and triumphs in integrating distributed data from molecules to brains. Nature Neuroscience, 2004, 7, 467-472.	7.1	112
90	Protein Ubiquitination in Postsynaptic Densities after Transient Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 1219-1225.	2.4	60

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91	Potassium channel subunit Kv3.2 and the water channel aquaporin-4 are selectively localized to cerebellar pinceau. <i>Brain Research</i> , 2004, 1026, 168-178.	1.1	33
92	Maturation of astrocyte morphology and the establishment of astrocyte domains during postnatal hippocampal development. <i>International Journal of Developmental Neuroscience</i> , 2004, 22, 73-86.	0.7	360
93	Automated most-probable loss tomography of thick selectively stained biological specimens with quantitative measurement of resolution improvement. <i>Journal of Structural Biology</i> , 2004, 148, 297-306.	1.3	35
94	The Cell-Centered Database: A Database for Multiscale Structural and Protein Localization Data from Light and Electron Microscopy. <i>Neuroinformatics</i> , 2003, 1, 379-396.	1.5	105
95	Examination of the relationship between astrocyte morphology and laminar boundaries in the molecular layer of adult dentate gyrus. <i>Journal of Comparative Neurology</i> , 2003, 462, 241-251.	0.9	39
96	Towards a formalization of disease-specific ontologies for neuroinformatics. <i>Neural Networks</i> , 2003, 16, 1277-1292.	3.3	24
97	The Telescience Portal for advanced tomography applications. <i>Journal of Parallel and Distributed Computing</i> , 2003, 63, 539-550.	2.7	46
98	BIRN-M. , 2003, , .		17
99	Imaging of Big and Messy Biological Structures Using Electron Tomography. <i>Microscopy Today</i> , 2003, 11, 8-15.	0.2	5
100	Federation of Brain Data through Knowledge-guided Mediation. , 2003, , 275-291.		3
101	A Model-Based Mediator System for Scientific Data Management. , 2003, , 335-370.		15
102	A cell-centered database for electron tomographic data. <i>Journal of Structural Biology</i> , 2002, 138, 145-155.	1.3	107
103	Protoplasmic Astrocytes in CA1 Stratum Radiatum Occupy Separate Anatomical Domains. <i>Journal of Neuroscience</i> , 2002, 22, 183-192.	1.7	1,291
104	Registering Scientific Information Sources for Semantic Mediation. <i>Lecture Notes in Computer Science</i> , 2002, , 182-198.	1.0	9
105	<i>Neuron</i> . , 2002, , 507-523.		0
106	Specific labeling of connexin43 in NRK cells using tyramide-based signal amplification and fluorescence photooxidation. <i>Microscopy Research and Technique</i> , 2001, 52, 331-343.	1.2	5
107	Selective localization of high concentrations of F-actin in subpopulations of dendritic spines in rat central nervous system: A three-dimensional electron microscopic study. <i>Journal of Comparative Neurology</i> , 2001, 435, 156-170.	0.9	105
108	Filamentous actin is concentrated in specific subpopulations of neuronal and glial structures in rat central nervous system. <i>Brain Research</i> , 2001, 923, 1-11.	1.1	40

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109	Phalloidin-Eosin Followed by Photo-oxidation. <i>Journal of Histochemistry and Cytochemistry</i> , 2001, 49, 1351-1361.	1.3	49
110	Ablation of Cypher, a PDZ-LIM domain Z-line protein, causes a severe form of congenital myopathy. <i>Journal of Cell Biology</i> , 2001, 155, 605-612.	2.3	255
111	Correlated 3D Light and Electron Microscopy: Use of High Voltage Electron Microscopy and Electron Tomography for Imaging Large Biological Structures. <i>Journal of Histotechnology</i> , 2000, 23, 261-270.	0.2	43
112	Alterations of hippocampal postsynaptic densities following transient ischemia. <i>Hippocampus</i> , 2000, 10, 610-616.	0.9	41
113	Alterations of hippocampal postsynaptic densities following transient ischemia. <i>Hippocampus</i> , 2000, 10, 610-616.	0.9	2
114	Neuronal Acetylcholine Receptors with $\alpha 7$ Subunits Are Concentrated on Somatic Spines for Synaptic Signaling in Embryonic Chick Ciliary Ganglia. <i>Journal of Neuroscience</i> , 1999, 19, 692-704.	1.7	102
115	Localization of Actin Filaments in the Central Nervous System Using Phalloidin and Correlative Light and Electron Microscopy. <i>Microscopy and Microanalysis</i> , 1999, 5, 498-499.	0.2	1
116	Bridging the Resolution Gap: Correlated 3D Light and Electron Microscopic Analysis of Large Biological Structures. <i>Microscopy and Microanalysis</i> , 1999, 5, 526-527.	0.2	0
117	Modification of Postsynaptic Densities after Transient Cerebral Ischemia: A Quantitative and Three-Dimensional Ultrastructural Study. <i>Journal of Neuroscience</i> , 1999, 19, 1988-1997.	1.7	107
118	Cypher, a Striated Muscle-restricted PDZ and LIM Domain-containing Protein, Binds to $\alpha$ -Actinin-2 and Protein Kinase C. <i>Journal of Biological Chemistry</i> , 1999, 274, 19807-19813.	1.6	210
119	Enteroviral protease 2A cleaves dystrophin: Evidence of cytoskeletal disruption in an acquired cardiomyopathy. <i>Nature Medicine</i> , 1999, 5, 320-326.	15.2	519
120	Chronic Phospholamban-Sarcoplasmic Reticulum Calcium ATPase Interaction Is the Critical Calcium Cycling Defect in Dilated Cardiomyopathy. <i>Cell</i> , 1999, 99, 313-322.	13.5	482
121	STEPHEN J. YOUNG (1938-1999). <i>Journal of Structural Biology</i> , 1999, 125, 253.	1.3	0
122	Three Dimensional Protein Localization Using High Voltage Electron Microscopy.. <i>Acta Histochemica Et Cytochemica</i> , 1999, 32, 35-43.	0.8	11
123	Subcellular localization of mRNA in neuronal cells. <i>Molecular Neurobiology</i> , 1998, 18, 227-246.	1.9	7
124	Assembly of Proteins to Postsynaptic Densities after Transient Cerebral Ischemia. <i>Journal of Neuroscience</i> , 1998, 18, 625-633.	1.7	190
125	Correlated 3D Light and Electron Microscopy of Large, Complex Structures: Analysis of Transverse Tubules in Heart Failure. <i>Microscopy and Microanalysis</i> , 1998, 4, 440-441.	0.2	0
126	Highlights of Selected Microscopy Research Resource Activities at San Diego. <i>Microscopy and Microanalysis</i> , 1997, 3, 275-276.	0.2	0



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127	Distribution of inositol-1,4,5-trisphosphate and ryanodine receptors in rat neostriatum. Brain Research, 1997, 756, 9-21.	1.1	31
128	Subcellular localization of the K <sup>+</sup> channel subunit Kv3.1b in selected rat CNS neurons. Brain Research, 1997, 766, 173-187.	1.1	113
129	Immunolocalization of the receptor tyrosine kinase EphA4 in the adult rat central nervous system. Brain Research, 1997, 771, 238-250.	1.1	79
130	Translocation of RNA Granules in Living Neurons. Journal of Neuroscience, 1996, 16, 7812-7820.	1.7	418
131	Ultrastructural Localization of Dendritic Messenger RNA in Adult Rat Hippocampus. Journal of Neuroscience, 1996, 16, 7437-7446.	1.7	55
132	Serial Section Electron Tomography: A Method for Three-Dimensional Reconstruction of Large Structures. NeuroImage, 1994, 1, 230-243.	2.1	122
133	The distribution of cholinergic perikarya with respect to enkephalin-rich patches in the caudate nucleus of the adult cat. Journal of Chemical Neuroanatomy, 1994, 8, 47-59.	1.0	8
134	Programs for visualization in three-dimensional microscopy. NeuroImage, 1992, 1, 55-67.	2.1	72
135	Ultrastructural examination of enkephalin and substance P input to cholinergic neurons within the rat neostriatum. Brain Research, 1992, 594, 253-262.	1.1	89
136	Histological and ultrastructural evidence that d-amphetamine causes degeneration in neostriatum and frontal cortex of rats. Brain Research, 1990, 518, 67-77.	1.1	125
137	Continuous amphetamine administration induces tyrosine hydroxylase immunoreactive patches in the adult rat neostriatum. Brain Research Bulletin, 1988, 21, 133-137.	1.4	19
138	An Assessment of Verbal Recall, Recognition and Fluency Abilities in Patients with Huntington's Disease. Cortex, 1986, 22, 11-32.	1.1	213
139	Some analyses of forgetting of pictorial material in amnesic and demented patients. Neuropsychology, Development and Cognition Section A: Journal of Clinical and Experimental Neuropsychology, 1986, 8, 161-178.	1.4	46
140	Using ontologies to define the relation between neurodegenerative disease and associated animal model phenotypes. Frontiers in Neuroinformatics, 0, 3, .	1.3	0