

# Michelle R Lacey

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54  
papers

1,842  
citations

25  
h-index

42  
g-index

60  
ext. papers

2,165  
ext. citations

5.1  
avg, IF

4.67  
L-index

#	Paper	IF	Citations
54	Age-Dependent Changes in Bone Architecture, Patterning, and Biomechanics During Skeletal Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 749055	5.7	0
53	Epigenetics and expression of key genes associated with cardiac fibrosis: and. <i>Epigenomics</i> , <b>2021</b> , 13, 219-234	4.4	7
52	Epigenetics of Skeletal Muscle-Associated Genes in the , , and Gene Families.. <i>Epigenomes</i> , <b>2020</b> , 4,	2.3	4
51	Plasma flow distal to tourniquet placement provides a physiological mechanism for tissue salvage. <i>PLoS ONE</i> , <b>2020</b> , 15, e0244236	3.7	0
50	Tissue-specific epigenetics of atherosclerosis-related ANGPT and ANGPTL genes. <i>Epigenomics</i> , <b>2019</b> , 11, 169-186	4.4	17
49	Data showing atherosclerosis-associated differentially methylated regions are often at enhancers. <i>Data in Brief</i> , <b>2019</b> , 23, 103812	1.2	3
48	Expanding Research Capacity in Sub-Saharan Africa Through Informatics, Bioinformatics, and Data Science Training Programs in Mali. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 331	4.5	9
47	Sirtuin 3 deficiency does not impede digit regeneration in mice. <i>Scientific Reports</i> , <b>2019</b> , 9, 16491	4.9	8
46	Atherosclerosis-associated differentially methylated regions can reflect the disease phenotype and are often at enhancers. <i>Atherosclerosis</i> , <b>2019</b> , 280, 183-191	3.1	19
45	Developmentally linked human DNA hypermethylation is associated with down-modulation, repression, and upregulation of transcription. <i>Epigenetics</i> , <b>2018</b> , 13, 275-289	5.7	20
44	Modeling Methylation Patterns with Long Read Sequencing Data. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2018</b> , 15, 1379-1389	3	3
43	Association of 5-hydroxymethylation and 5-methylation of DNA cytosine with tissue-specific gene expression. <i>Epigenetics</i> , <b>2017</b> , 12, 123-138	5.7	40
42	DNA Hypomethylation in Intragenic and Intergenic Enhancer Chromatin of Muscle-Specific Genes Usually Correlates with their Expression. <i>Yale Journal of Biology and Medicine</i> , <b>2016</b> , 89, 441-455	2.4	19
41	An Ex Vivo Tissue Culture Model for Anti-angiogenic Drug Testing. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1464, 85-95	1.4	5
40	Epigenetics of the myotonic dystrophy-associated DMPK gene neighborhood. <i>Epigenomics</i> , <b>2016</b> , 8, 13-34	4.4	17
39	Tissue-specific epigenetics in gene neighborhoods: myogenic transcription factor genes. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 4660-73	5.6	16
38	High-Resolution Rapid Diagnostic Imaging of Whole Prostate Biopsies Using Video-Rate Fluorescence Structured Illumination Microscopy. <i>Cancer Research</i> , <b>2015</b> , 75, 4032-41	10.1	39

37	Hyperbaric Oxygen Promotes Proximal Bone Regeneration and Organized Collagen Composition during Digit Regeneration. <i>PLoS ONE</i> , <b>2015</b> , 10, e0140156	3.7	31
36	BRAF Testing in Multifocal Papillary Thyroid Carcinoma. <i>BioMed Research International</i> , <b>2015</b> , 2015, 486391		10
35	An ex vivo model for anti-angiogenic drug testing on intact microvascular networks. <i>PLoS ONE</i> , <b>2015</b> , 10, e0119227	3.7	19
34	Myogenic differential methylation: diverse associations with chromatin structure. <i>Biology</i> , <b>2014</b> , 3, 426-519	4.9	8
33	Notch signaling genes: myogenic DNA hypomethylation and 5-hydroxymethylcytosine. <i>Epigenetics</i> , <b>2014</b> , 9, 842-50	5.7	35
32	Identification of biomarkers for tuberculosis susceptibility via integrated analysis of gene expression and longitudinal clinical data. <i>Frontiers in Genetics</i> , <b>2014</b> , 5, 240	4.5	12
31	RNA CoMPASS: a dual approach for pathogen and host transcriptome analysis of RNA-seq datasets. <i>PLoS ONE</i> , <b>2014</b> , 9, e89445	3.7	31
30	TgMAPK1 is a <i>Toxoplasma gondii</i> MAP kinase that hijacks host MKK3 signals to regulate virulence and interferon- $\gamma$ -mediated nitric oxide production. <i>Experimental Parasitology</i> , <b>2013</b> , 134, 389-99	2.1	12
29	DNA methylation and differentiation: HOX genes in muscle cells. <i>Epigenetics and Chromatin</i> , <b>2013</b> , 6, 25	5.8	38
28	DNA methylation and differentiation: silencing, upregulation and modulation of gene expression. <i>Epigenomics</i> , <b>2013</b> , 5, 553-68	4.4	116
27	A comparison of clinical and pathologic assessments for the prediction of occult nipple involvement in nipple-sparing mastectomies. <i>Annals of Surgical Oncology</i> , <b>2013</b> , 20, 128-32	3.1	18
26	DNA hypomethylation and hemimethylation in cancer. <i>Advances in Experimental Medicine and Biology</i> , <b>2013</b> , 754, 31-56	3.6	102
25	Cell-surface expression of neuron-glia antigen 2 (NG2) and melanoma cell adhesion molecule (CD146) in heterogeneous cultures of marrow-derived mesenchymal stem cells. <i>Tissue Engineering - Part A</i> , <b>2013</b> , 19, 2253-66	3.9	35
24	Quantitative proteomic analysis of the <i>Anopheles gambiae</i> (Diptera: Culicidae) midgut infected with oblong-nyong virus. <i>Journal of Medical Entomology</i> , <b>2013</b> , 50, 1077-88	2.2	12
23	Differences in gastric carcinoma microenvironment stratify according to EBV infection intensity: implications for possible immune adjuvant therapy. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003341	7.6	108
22	Early de novo DNA methylation and prolonged demethylation in the muscle lineage. <i>Epigenetics</i> , <b>2013</b> , 8, 317-32	5.7	63
21	Modeling, simulation and analysis of methylation profiles from reduced representation bisulfite sequencing experiments. <i>Statistical Applications in Genetics and Molecular Biology</i> , <b>2013</b> , 12, 723-42	1.2	16
20	Endocrine disrupting chemicals in New Orleans surface waters and Mississippi Sound sediments. <i>Journal of Environmental Monitoring</i> , <b>2012</b> , 14, 1353-64		30

19	Deciphering transcription dysregulation in FSH muscular dystrophy. <i>Journal of Human Genetics</i> , <b>2012</b> , 57, 477-84	4.3	5
18	High-capacity assay to quantify the clonal heterogeneity in potency of mesenchymal stem cells. <i>BMC Proceedings</i> , <b>2011</b> , 5 Suppl 8, O14	2.3	1
17	Gene expression during normal and FSHD myogenesis. <i>BMC Medical Genomics</i> , <b>2011</b> , 4, 67	3.7	63
16	Clonal analysis of the proliferation potential of human bone marrow mesenchymal stem cells as a function of potency. <i>Biotechnology and Bioengineering</i> , <b>2011</b> , 108, 2716-26	4.9	63
15	Decompressive craniectomy for elevated intracranial pressure and its effect on the cumulative ischemic burden and therapeutic intensity levels after severe traumatic brain injury. <i>Neurosurgery</i> , <b>2010</b> , 66, 1111-8; discussion 1118-9	3.2	60
14	Adult human mesenchymal stem cells enhance breast tumorigenesis and promote hormone independence. <i>Breast Cancer Research and Treatment</i> , <b>2010</b> , 121, 293-300	4.4	84
13	In vitro high-capacity assay to quantify the clonal heterogeneity in trilineage potential of mesenchymal stem cells reveals a complex hierarchy of lineage commitment. <i>Stem Cells</i> , <b>2010</b> , 28, 788-98	5.8	331
12	A sharp error probability estimate for the reconstruction of phylogenetic quartets by the four-point method. <i>Journal of Computational Biology</i> , <b>2009</b> , 16, 443-56	1.7	
11	Hemimethylation footprints of DNA demethylation in cancer. <i>Epigenetics</i> , <b>2009</b> , 4, 165-75	5.7	29
10	Modeling dependence in methylation patterns with application to ovarian carcinomas. <i>Statistical Applications in Genetics and Molecular Biology</i> , <b>2009</b> , 8, Article 40	1.2	12
9	High-Capacity Assay to Evaluate Colony-Forming Efficiency and Multipotency of Bone Marrow Stromal Cells. <i>FASEB Journal</i> , <b>2009</b> , 23, LB247	0.9	
8	Epigenetics of a tandem DNA repeat: chromatin DNaseI sensitivity and opposite methylation changes in cancers. <i>Nucleic Acids Research</i> , <b>2008</b> , 36, 2196-207	20.1	45
7	Toxoplasma gondii expresses two mitogen-activated protein kinase genes that represent distinct protozoan subfamilies. <i>Journal of Molecular Evolution</i> , <b>2007</b> , 64, 4-14	3.1	29
6	Serum cadmium levels in pancreatic cancer patients from the East Nile Delta region of Egypt. <i>Environmental Health Perspectives</i> , <b>2006</b> , 114, 113-9	8.4	67
5	A signal-to-noise analysis of phylogeny estimation by neighbor-joining: Insufficiency of polynomial length sequences. <i>Mathematical Biosciences</i> , <b>2006</b> , 199, 188-215	3.9	26
4	Both hypomethylation and hypermethylation in a 0.2-kb region of a DNA repeat in cancer. <i>Molecular Cancer Research</i> , <b>2005</b> , 3, 617-26	6.6	38
3	Expression profiling using a hexamer-based universal microarray. <i>Nature Biotechnology</i> , <b>2004</b> , 22, 418-26	44.5	31
2	Identification of a novel mitogen-activated protein kinase in Toxoplasma gondii. <i>International Journal for Parasitology</i> , <b>2004</b> , 34, 1245-54	4.3	33

1      Hypermethylation of human DNA: Fine-tuning transcription associated with development

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