

# David W Scott

## List of Publications by Year in descending order

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38  
papers

1,567  
citations

361413

20  
h-index

330143

37  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1912  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication and mechanical characterization of 3D printed vertical uniform and gradient scaffolds for bone and osteochondral tissue engineering. <i>Acta Biomaterialia</i> , 2019, 90, 37-48.	8.3	172
2	Parametric Statistical Modeling by Minimum Integrated Square Error. <i>Technometrics</i> , 2001, 43, 274-285.	1.9	169
3	Cross-Validation of Multivariate Densities. <i>Journal of the American Statistical Association</i> , 1994, 89, 807-817.	3.1	162
4	Sturges' rule. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2009, 1, 303-306.	3.9	125
5	On Locally Adaptive Density Estimation. <i>Journal of the American Statistical Association</i> , 1996, 91, 1525-1534.	3.1	95
6	Extrusion-Based 3D Printing of Poly(propylene fumarate) in a Full-Factorial Design. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1771-1780.	5.2	85
7	Scott's rule. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2010, 2, 497-502.	3.9	68
8	The Mode Tree: A Tool for Visualization of Nonparametric Density Features. <i>Journal of Computational and Graphical Statistics</i> , 1993, 2, 51-68.	1.7	66
9	From Kernels to Mixtures. <i>Technometrics</i> , 2001, 43, 323-335.	1.9	63
10	The $L_1$ Method for Robust Nonparametric Regression. <i>Journal of the American Statistical Association</i> , 1994, 89, 65-76.	3.1	61
11	Biodegradable, phosphate-containing, dual-gelling macromers for cellular delivery in bone tissue engineering. <i>Biomaterials</i> , 2015, 67, 286-296.	11.4	46
12	Nonparametric density estimation for high-dimensional data—Algorithms and applications. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2019, 11, e1461.	3.9	37
13	On Locally Adaptive Density Estimation. <i>Journal of the American Statistical Association</i> , 1996, 91, 1525.	3.1	35
14	Mechanically tunable coaxial electrospun models of YAP/TAZ mechanoresponse and IGF-1R activation in osteosarcoma. <i>Acta Biomaterialia</i> , 2019, 100, 38-51.	8.3	33
15	Cross-Validation of Multivariate Densities. <i>Journal of the American Statistical Association</i> , 1994, 89, 807.	3.1	33
16	A factorial analysis of the combined effects of hydrogel fabrication parameters on the in vitro swelling and degradation of oligo(poly(ethylene glycol) fumarate) hydrogels. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3477-3487.	4.0	29
17	Incorporation of fast dissolving glucose porogens and poly(lactic-co-glycolic acid) microparticles within calcium phosphate cements for bone tissue regeneration. <i>Acta Biomaterialia</i> , 2018, 78, 341-350.	8.3	28
18	Averaged shifted histogram. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2010, 2, 160-164.	3.9	26

#	ARTICLE	IF	CITATIONS
19	Examining the Carnegie Classification Methodology for Research Universities. <i>Statistics and Public Policy</i> (Philadelphia, Pa ), 2018, 5, 1-12.	1.6	24
20	Multimaterial Dual Gradient Three-Dimensional Printing for Osteogenic Differentiation and Spatial Segregation. <i>Tissue Engineering - Part A</i> , 2020, 26, 239-252.	3.1	23
21	Synthesis and Characterization of Diol-Based Unsaturated Polyesters: Poly(diols fumarate) and Poly(diols fumarate-co-succinate). <i>Biomacromolecules</i> , 2017, 18, 1724-1735.	5.4	19
22	Swelling Behaviors of 3D Printed Hydrogel and Hydrogel-Microcarrier Composite Scaffolds. <i>Tissue Engineering - Part A</i> , 2021, 27, 665-678.	3.1	19
23	Histogram. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2010, 2, 44-48.	3.9	18
24	Spatial evaluation of alternative nonpoint nutrient regulatory instruments. <i>Water Resources Research</i> , 2003, 39, .	4.2	17
25	Box-Cox transformation. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2011, 3, 177-179.	3.9	17
26	Polymer-Based Local Antibiotic Delivery for Prevention of Polymicrobial Infection in Contaminated Mandibular Implants. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 558-566.	5.2	17
27	Technical Report: Correlation Between the Repair of Cartilage and Subchondral Bone in an Osteochondral Defect Using Bilayered, Biodegradable Hydrogel Composites. <i>Tissue Engineering - Part C: Methods</i> , 2015, 21, 1216-1225.	2.1	13
28	3D Tissue-Engineered Tumor Model for Ewing's Sarcoma That Incorporates Bone-like ECM and Mineralization. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 539-552.	5.2	12
29	Chondrogenesis of cocultures of mesenchymal stem cells and articular chondrocytes in poly(L-lysine)-loaded hydrogels. <i>Journal of Controlled Release</i> , 2020, 328, 710-721.	9.9	12
30	Robust forecast aggregation: Fourier regression regression. <i>Journal of Forecasting</i> , 2018, 37, 259-268.	2.8	9
31	Smoothed Histograms for Frequency Data on Irregular Intervals. <i>American Statistician</i> , 2008, 62, 256-261.	1.6	7
32	The L2E method. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2009, 1, 45-51.	3.9	6
33	Effect of 3D Printing Temperature on Bioactivity of Bone Morphogenetic Protein-2 Released from Polymeric Constructs. <i>Annals of Biomedical Engineering</i> , 2021, 49, 2114-2125.	2.5	5
34	Correlation of nuclear pIGF-1R/IGF-1R and YAP/TAZ in a tissue microarray with outcomes in osteosarcoma patients. <i>Oncotarget</i> , 2022, 13, 521-533.	1.8	4
35	Robust Multiple Regression. <i>Entropy</i> , 2021, 23, 88.	2.2	3
36	Introducing WIREs Computational Statistics. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2009, 1, 1-2.	3.9	2

#	ARTICLE	IF	CITATIONS
37	WIRES is a WINNER. Wiley Interdisciplinary Reviews: Computational Statistics, 2010, 2, 127-127.	3.9	0
38	Machine learning, data mining, and computational statistics applications. Wiley Interdisciplinary Reviews: Computational Statistics, 2011, 3, 187-187.	3.9	0