

# Deane F Mosher

## List of Publications by Year in descending order

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72  
papers

3,212  
citations

172207

29  
h-index

161609

54  
g-index

75  
all docs

75  
docs citations

75  
times ranked

4227  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-Scale Multi-omic Analysis of COVID-19 Severity. <i>Cell Systems</i> , 2021, 12, 23-40.e7.	2.9	438
2	Thrombospondin is the endogenous lectin of human platelets. <i>Nature</i> , 1982, 295, 246-248.	13.7	197
3	Physiology of Thrombospondin. <i>Annual Review of Medicine</i> , 1990, 41, 85-97.	5.0	186
4	Roles of integrins and fibronectin in the entry of <i>Streptococcus pyogenes</i> into cells via protein F1. <i>Molecular Microbiology</i> , 1998, 30, 625-637.	1.2	185
5	Synthesis, surface, and cell-adhesion properties of polyurethanes containing covalently grafted RGD-peptides. <i>Journal of Biomedical Materials Research Part B</i> , 1994, 28, 329-342.	3.0	168
6	Mepolizumab Attenuates Airway Eosinophil Numbers, but Not Their Functional Phenotype, in Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 1385-1395.	2.5	103
7	Acute surface-induced thrombosis in the canine <i>ex vivo</i> model: Importance of protein composition of the initial monolayer and platelet activation. <i>Journal of Biomedical Materials Research Part B</i> , 1986, 20, 589-612.	3.0	97
8	Thrombospondin-1 (TSP1) Contributes to the Development of Vascular Inflammation by Regulating Monocytic Cell Motility in Mouse Models of Abdominal Aortic Aneurysm. <i>Circulation Research</i> , 2015, 117, 129-141.	2.0	93
9	Dynamic structure of plasma fibronectin. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2016, 51, 213-227.	2.3	89
10	Adhesion-modulating/matricellular ECM protein families: A structural, functional and evolutionary appraisal. <i>Matrix Biology</i> , 2012, 31, 155-161.	1.5	85
11	The Peripheral Blood Eosinophil Proteome. <i>Journal of Proteome Research</i> , 2016, 15, 1524-1533.	1.8	79
12	Pompe Disease Results in a Golgi-based Glycosylation Deficit in Human Induced Pluripotent Stem Cell-derived Cardiomyocytes. <i>Journal of Biological Chemistry</i> , 2015, 290, 3121-3136.	1.6	76
13	Extended Binding Site on Fibronectin for the Functional Upstream Domain of Protein F1 of <i>Streptococcus pyogenes</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 41087-41099.	1.6	69
14	Cross-linking of fibronectin to collagenous proteins. <i>Molecular and Cellular Biochemistry</i> , 1984, 58, 63-68.	1.4	66
15	Binding and degradation of thrombospondin-1 mediated through heparan sulphate proteoglycans and low-density-lipoprotein receptor-related protein: localization of the functional activity to the trimeric N-terminal heparin-binding region of thrombospondin-1. <i>Biochemical Journal</i> , 1996, 318, 959-963.	1.7	63
16	Organization of the Provisional Fibronectin Matrix: Control by Products of Blood Coagulation. <i>Thrombosis and Haemostasis</i> , 1995, 74, 529-533.	1.8	62
17	Distribution of a major surface-associated glycoprotein, fibronectin, in cultures of adherent cells. <i>Journal of Supramolecular Structure</i> , 1977, 6, 551-557.	2.3	60
18	Plasma Proteins: Their Role in Initiating Platelet and Fibrin Deposition on Biomaterials. <i>Advances in Chemistry Series</i> , 1982, , 317-350.	0.6	58

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19	Host Contributions to Construction of Three Device-Associated <i>Candida albicans</i> Biofilms. <i>Infection and Immunity</i> , 2015, 83, 4630-4638.	1.0	58
20	Up-Regulation and Activation of Eosinophil Integrins in Blood and Airway after Segmental Lung Antigen Challenge. <i>Journal of Immunology</i> , 2008, 180, 7622-7635.	0.4	55
21	Semaphorin 7A is expressed on airway eosinophils and upregulated by IL-5 family cytokines. <i>Clinical Immunology</i> , 2014, 150, 90-100.	1.4	54
22	Trimeric assembly of the C-terminal region of Thrombospondin-1 or Thrombospondin-2 is necessary for cell spreading and fascin spike organisation. <i>Journal of Cell Science</i> , 2002, 115, 2357-2366.	1.2	47
23	Pentraxin 3 regulates synaptic function by inducing AMPA receptor clustering via ECM remodeling and $\alpha 2$ integrin. <i>EMBO Journal</i> , 2019, 38, .	3.5	42
24	The calcium-binding type III repeats domain of thrombospondin-2 binds to fibroblast growth factor 2 (FGF2). <i>Angiogenesis</i> , 2019, 22, 133-144.	3.7	37
25	Periostin and TGF- $\beta 2$ -induced protein: Two peas in a pod?. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2015, 50, 427-39.	2.3	37
26	Expression of recombinant matrix components using baculoviruses. <i>Methods in Cell Biology</i> , 2002, 69, 69-81.	0.5	36
27	Sequence location of a putative transglutaminase cross-linking site in human vitronectin. <i>FEBS Letters</i> , 1990, 262, 269-274.	1.3	35
28	N-terminal type I modules required for fibronectin binding to fibroblasts and to fibronectin's III1 module. <i>Biochemical Journal</i> , 1997, 323, 51-60.	1.7	31
29	A Selective Extracellular Matrix Proteomics Approach Identifies Fibronectin Proteolysis by A Disintegrin-like and Metalloprotease Domain with Thrombospondin Type 1 Motifs (ADAMTS16) and Its Impact on Spheroid Morphogenesis. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1410-1425.	2.5	31
30	A Preliminary Comparison of the Thrombogenic Activity of Vitronectin and Other RGD-containing Proteins When Bound to Surfaces. <i>Annals of the New York Academy of Sciences</i> , 1987, 516, 291-299.	1.8	30
31	Roles of fibronectin isoforms in neonatal vascular development and matrix integrity. <i>PLoS Biology</i> , 2018, 16, e2004812.	2.6	27
32	The interaction of $\text{G}\alpha_{13}$ with integrin $\beta 1$ mediates cell migration by dynamic regulation of RhoA. <i>Molecular Biology of the Cell</i> , 2015, 26, 3658-3670.	0.9	25
33	Inhibition of blood coagulation factor XIIIa-mediated cross-linking between fibronectin and collagen by polyamines. <i>Journal of Supramolecular Structure</i> , 1979, 11, 227-235.	2.3	24
34	Assembly of fibronectin-containing extracellular matrix: A glimpse of the machinery. <i>Biopolymers</i> , 1985, 24, 199-210.	1.2	24
35	Concomitant chronic lymphocytic leukemia, acute myeloid leukemia, and thrombosis with protein C deficiency. Case report and review of the literature. <i>Cancer</i> , 1989, 63, 1398-1401.	2.0	23
36	<i>Borrelia burgdorferi</i> Protein BBK32 Binds to Soluble Fibronectin via the N-terminal 70-kDa Region, Causing Fibronectin to Undergo Conformational Extension. <i>Journal of Biological Chemistry</i> , 2014, 289, 22490-22499.	1.6	23

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37	Myeloid-derived growth factor is a resident endoplasmic reticulum protein. <i>Journal of Biological Chemistry</i> , 2018, 293, 13166-13175.	1.6	23
38	A disintegrin-like and metalloproteinase domain with thrombospondin type 1 motif 9 (ADAMTS9) regulates fibronectin fibrillogenesis and turnover. <i>Journal of Biological Chemistry</i> , 2019, 294, 9924-9936.	1.6	22
39	Conformational change in thrombospondin induced by removal of bound Ca <sup>2+</sup> A spin label approach. <i>FEBS Letters</i> , 1988, 229, 363-366.	1.3	19
40	Absence of Vitamin K-Dependent $\gamma$ -Carboxylation in Human Periostin Extracted from Fibrotic Lung or Secreted from a Cell Line Engineered to Optimize $\gamma$ -Carboxylation. <i>PLoS ONE</i> , 2015, 10, e0135374.	1.1	19
41	Immunochemical Analysis of the Structure of the Signature Domains of Thrombospondin-1 and Thrombospondin-2 in Low Calcium Concentrations. <i>Journal of Biological Chemistry</i> , 2007, 282, 27067-27075.	1.6	18
42	Targeting Fibronectin To Disrupt In Vivo <i>Candida albicans</i> Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3152-3155.	1.4	18
43	Myeloid-derived growth factor regulates neutrophil motility in interstitial tissue damage. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	18
44	Human Platelets Contain mRNA Transcripts for Platelet Factor 4 and Actin. <i>Thrombosis and Haemostasis</i> , 1989, 62, 1100-1102.	1.8	18
45	Expression and initial characterization of recombinant mouse thrombospondin 1 and thrombospondin 3. <i>FEBS Letters</i> , 1996, 387, 36-41.	1.3	15
46	Solution structure of human myeloid-derived growth factor suggests a conserved function in the endoplasmic reticulum. <i>Nature Communications</i> , 2019, 10, 5612.	5.8	15
47	$\alpha$ IIb-Integrin (CD41) associated with blood eosinophils is a potential biomarker for disease activity in eosinophilic esophagitis. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 1699-1701.	1.5	15
48	Fludarabine and Cytarabine as a Sequential Infusion Regimen for Treatment of Adults with Recurrent, Refractory or Poor Prognosis Acute Leukemia. <i>Leukemia and Lymphoma</i> , 2001, 41, 321-331.	0.6	14
49	Bivalent Ligation of the Collagen-binding Modules of Fibronectin by SFS, a Non-anchored Bacterial Protein of <i>Streptococcus equi</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 4866-4876.	1.6	14
50	Control of cytokine-driven eosinophil migratory behavior by TGF-beta-induced protein (TGFB1) and periostin. <i>PLoS ONE</i> , 2018, 13, e0201320.	1.1	13
51	Ratios of Four STAT3 Splice Variants in Human Eosinophils and Diffuse Large B Cell Lymphoma Cells. <i>PLoS ONE</i> , 2015, 10, e0127243.	1.1	13
52	Lysophospholipid-induced Cell Migration. <i>Annals of the New York Academy of Sciences</i> , 2000, 905, 326-329.	1.8	12
53	Expression of GIRK (Kir3.1/Kir3.4) channels in mouse fibroblast cells with and without $\beta$ 1 integrins. <i>FEBS Letters</i> , 2000, 466, 327-332.	1.3	11
54	Proteomic and Phosphoproteomic Changes Induced by Prolonged Activation of Human Eosinophils with IL-3. <i>Journal of Proteome Research</i> , 2018, 17, 2102-2111.	1.8	11

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55	Eosinophil cytolysis on Immunoglobulin G is associated with microtubule formation and suppression of rho-associated protein kinase signalling. <i>Clinical and Experimental Allergy</i> , 2020, 50, 198-212.	1.4	11
56	Interactions among the Epidermal Growth Factor-like Modules of Thrombospondin-1. <i>Journal of Biological Chemistry</i> , 2009, 284, 22206-22212.	1.6	10
57	Clinical use of fibronectin. <i>Research in Clinic and Laboratory</i> , 1983, 13, 43-54.	0.3	10
58	Adaptation in a Fibronectin Binding Autolysin of <i>Staphylococcus saprophyticus</i> . <i>MSphere</i> , 2017, 2, .	1.3	9
59	On-Off Kinetics of Engagement of FNI Modules of Soluble Fibronectin by Î <sup>2</sup> -Strand Addition. <i>PLoS ONE</i> , 2015, 10, e0124941.	1.1	8
60	What Is the Theoretical Basis for the Therapeutic Use of Cryoprecipitates as a Source of Fibronectin?. <i>Vox Sanguinis</i> , 1985, 49, 403-417.	0.7	6
61	Proteomics of Eosinophil Activation. <i>Frontiers in Medicine</i> , 2017, 4, 159.	1.2	6
62	Autophagy Protects against Eosinophil Cytolysis and Release of DNA. <i>Cells</i> , 2022, 11, 1821.	1.8	6
63	Cardiac differentiation of human pluripotent stem cells using defined extracellular matrix proteins reveals essential role of fibronectin. <i>ELife</i> , 0, 11, .	2.8	6
64	Expression of novel "LOCGEF" isoforms of ARHGEF18 in eosinophils. <i>Journal of Leukocyte Biology</i> , 2018, 104, 135-145.	1.5	3
65	Plasma P-Selectin Is Inversely Associated with Lung Function and Corticosteroid Responsiveness in Asthma. <i>International Archives of Allergy and Immunology</i> , 2020, 181, 879-887.	0.9	3
66	Platelet association with leukocytes in active eosinophilic esophagitis. <i>PLoS ONE</i> , 2021, 16, e0250521.	1.1	3
67	Thrombospondin as a Marker for Leukemic Megakaryoblasts. <i>Leukemia and Lymphoma</i> , 1991, 5, 327-334.	0.6	2
68	Targeting the bacterial-host interaction. <i>Virulence</i> , 2012, 3, 349-350.	1.8	2
69	Merging Absolute and Relative Quantitative PCR Data to Quantify STAT3 Splice Variant Transcripts. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	2
70	Thrombospondins and Angiogenesis.. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 2000, 11, 315-346.	0.1	1
71	Observation and Quantification of Eosinophil Motility. <i>Methods in Molecular Biology</i> , 2021, 2241, 139-148.	0.4	0
72	Structure of the Calcium-Rich Signature Domain of Human Thrombospondin-2.. <i>Blood</i> , 2005, 106, 3679-3679.	0.6	0