Deborah V Novack

List of Publications by Year
in descending order

132 papers	9,967 citations	53939 47 h-index	42259 96 g-index
135 all docs	135 docs citations	135 times ranked	13202 citing authors

#	Article	IF	Citations
1	Transition to invasive breast cancer is associated with progressive changes in the structure and composition of tumor stroma. Cell, 2022, 185, 299-310.e18.	13.5	161
2	Conditional loss of IKKÎ± in Osterixâ€‰+â€‰cells has no effect on bone but leads to age-related loss of peripheral fat. Scientific Reports, 2022, 12, 4915.	1.6	2
3	Heparanase Blockade as a Novel Dual-Targeting Therapy for COVID-19. Journal of Virology, 2022, 96, e0005722.	1.5	14
4	Periarticular calcifications containing giant pseudo-crystals of francolite in skeletal fluorosis from 1,1-difluoroethane â€˜huffingâ€. Bone, 2022, , 116421.	1.4	2
5	Singleâ€Cell <scp>RNA</scp>â€Sequencing Leading to Breakthroughs in Musculoskeletal Research. JBMR Plus, 2022, 6, .	1.3	1
6	Targeted Therapy to Î²3 Integrin Reduces Chemoresistance in Breast Cancer Bone Metastases. Molecular Cancer Therapeutics, 2021, 20, 1183-1198.	1.9	13
7	Non-endemic skeletal fluorosis: Causes and associated secondary hyperparathyroidism (case report) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	17
8	Constitutive activation of NF-ÎºB inducing kinase (NIK) in the mesenchymal lineage using Osterix (Sp7)- or Fibroblast-specific protein 1 (S100a4)-Cre drives spontaneous soft tissue sarcoma. PLoS ONE, 2021, 16, e0254426.	1.1	4
9	Osteolineage depletion of mitofusin2 enhances cortical bone formation in female mice. Bone, 2021, 148, 115941.	1.4	5
10	Breast cancerâ€“derived GM-CSF regulates arginase 1 in myeloid cells to promote an immunosuppressive microenvironment. Journal of Clinical Investigation, 2021, 131, .	3.9	42
11	Contemporary Clinical Isolates of Staphylococcus aureus from Pediatric Osteomyelitis Patients Display Unique Characteristics in a Mouse Model of Hematogenous Osteomyelitis. Infection and Immunity, 2021, 89, e0018021.	1.0	2
12	Biological resurfacing in a canine model of hip osteoarthritis. Science Advances, 2021, 7, eabi5918.	4.7	15
13	Beyond the Introduction: The Next Chapter for <scp>JBMR</scp> Plus. JBMR Plus, 2021, 5, e10565.	1.3	0
14	Immunostaining of Skeletal Tissues. Methods in Molecular Biology, 2021, 2221, 261-273.	0.4	4
15	Bruck syndrome 2 variant lacking congenital contractures and involving a novel compound heterozygous PLOD2 mutation. Bone, 2020, 130, 115047.	1.4	14
16	Hypophosphatemic osteosclerosis, hyperostosis, and enthesopathy associated with novel homozygous mutations of DMP1 encoding dentin matrix protein 1 and SPP1 encoding osteopontin: The first digenic SIBLING protein osteopathy?. Bone, 2020, 132, 115190.	1.4	14
17	Multitasking by the OC Lineage during Bone Infection: Bone Resorption, Immune Modulation, and Microbial Niche. Cells, 2020, 9, 2157.	1.8	18
18	Radiation causes tissue damage by dysregulating inflammasomeâ€“gasdermin D signaling in both host and transplanted cells. PLoS Biology, 2020, 18, e3000807.	2.6	35

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19	The tethering function of mitofusin2 controls osteoclast differentiation by modulating the Ca2+â€“NFATc1 axis. Journal of Biological Chemistry, 2020, 295, 6629-6640.	1.6	22
20	Ovariectomy Activates Chronic Lowâ€Grade Inflammation Mediated by Memory T Cells, Which Promotes Osteoporosis in Mice. Journal of Bone and Mineral Research, 2020, 35, 1174-1187.	3.1	50
21	The Human Tumor Atlas Network: Charting Tumor Transitions across Space and Time at Single-Cell Resolution. Cell, 2020, 181, 236-249.	13.5	334
22	Juvenile Paget's Disease From Heterozygous Mutation of SP7 Encoding Osterix (Specificity Protein 7,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.4	12
23	Infectious Osteomyelitis: Marrying Bone Biology and Microbiology to Shed New Light on a Persistent Clinical Challenge. Journal of Bone and Mineral Research, 2020, 36, 636-643.	3.1	13
24	Longitudinal preclinical magnetic resonance imaging of diffuse tumor burden in intramedullary myeloma following bortezomib therapy. NMR in Biomedicine, 2019, 32, e4122.	1.6	0
25	Conditional Activation of NF-Îºb Inducing Kinase (NIK) in the Osteolineage Enhances Both Basal and Loading-Induced Bone Formation. Journal of Bone and Mineral Research, 2019, 34, 2087-2100.	3.1	9
26	Distinct Roles of Interferon Alpha and Beta in Controlling Chikungunya Virus Replication and Modulating Neutrophil-Mediated Inflammation. Journal of Virology, 2019, 94, .	1.5	49
27	Dermal and muscle fibroblasts and skeletal myofibers survive chikungunya virus infection and harbor persistent RNA. PLoS Pathogens, 2019, 15, e1007993.	2.1	49
28	Mouse model recapitulates the phenotypic heterogeneity of human adult T-cell leukemia/lymphoma in bone. Journal of Bone Oncology, 2019, 19, 100257.	1.0	7
29	Absence of an osteopetrosis phenotype in IKBKG (NEMO) mutation-positive women: A case-control study. Bone, 2019, 121, 243-254.	1.4	4
30	Plcî³2/Tmem178 dependent pathway in myeloid cells modulates the pathogenesis of cytokine storm syndrome. Journal of Autoimmunity, 2019, 100, 62-74.	3.0	25
31	Manipulation of the Alternative NFâ€Îºb Pathway in Mice Has Sexually Dimorphic Effects on Bone. JBMR Plus, 2019, 3, 14-22.	1.3	11
32	Staphylococcus aureus Infects Osteoclasts and Replicates Intracellularly. MBio, 2019, 10, .	1.8	64
33	HTLV-1 viral oncogene HBZ drives bone destruction in adult T cell leukemia. JCI Insight, 2019, 4, .	2.3	12
34	PGC1Îî² Organizes the Osteoclast Cytoskeleton by Mitochondrial Biogenesis and Activation. Journal of Bone and Mineral Research, 2018, 33, 1114-1125.	3.1	48
35	Radial scar on image-guided breast biopsy: is surgical excision necessary?. Breast Cancer Research and Treatment, 2018, 170, 313-320.	1.1	25
36	Gnathodiaphyseal dysplasia: Severe atypical presentation with novel heterozygous mutation of the anoctamin gene (ANO5). Bone, 2018, 107, 161-171.	1.4	23

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37	Inflammasomes in Bone Diseases. Experientia Supplementum (2012), 2018, 108, 269-279.	0.5	1
38	Unique Variant of NOD2 Pediatric Granulomatous Arthritis With Severe 1,25-Dihydroxyvitamin D-Mediated Hypercalcemia and Generalized Osteosclerosis. Journal of Bone and Mineral Research, 2018, 33, 2071-2080.	3.1	9
39	Requisite endothelial reactivation and effective siRNA nanoparticle targeting of Etv2/Er71 in tumor angiogenesis. JCI Insight, 2018, 3, .	2.3	20
40	TNF receptorâ€“activated factor 2 mediates cardiac protection through noncanonical NF-ÎºB signaling. JCI Insight, 2018, 3, .	2.3	18
41	Photoacoustic microscopy enables multilayered histological imaging of human breast cancer without staining. , 2018, , .		0
42	Skeletal Fluorosis Due To Inhalation Abuse of a Difluoroethane-Containing Computer Cleaner. Journal of Bone and Mineral Research, 2017, 32, 188-195.	3.1	25
43	Fast label-free multilayered histology-like imaging of human breast cancer by photoacoustic microscopy. Science Advances, 2017, 3, e1602168.	4.7	187
44	Deficiency of transcription factor RelB perturbs myeloid and DC development by hematopoietic-extrinsic mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3957-3962.	3.3	31
45	Bone-Induced Expression of Integrin Î²3 Enables Targeted Nanotherapy of Breast Cancer Metastases. Cancer Research, 2017, 77, 6299-6312.	0.4	63
46	Bone matrix components activate the NLRP3 inflammasome and promote osteoclast differentiation. Scientific Reports, 2017, 7, 6630.	1.6	63
47	Inflammatory osteolysis: a conspiracy against bone. Journal of Clinical Investigation, 2017, 127, 2030-2039.	3.9	182
48	Osteoclastsâ€”Key Players in Skeletal Health and Disease. Microbiology Spectrum, 2016, 4, .	1.2	59
49	Bone loss and aggravated autoimmune arthritis in HLA-DRÎ²1-bearing humanized mice following oral challenge with Porphyromonas gingivalis. Arthritis Research and Therapy, 2016, 18, 249.	1.6	48
50	Idiopathic Acquired Osteosclerosis in a Middle-Aged Woman With Systemic Lupus Erythematosus. Journal of Bone and Mineral Research, 2016, 31, 1774-1782.	3.1	3
51	Osteoclast-Primed Foxp3+ CD8 T Cells Induce T-bet, Eomesodermin, and IFN-Î³ To Regulate Bone Resorption. Journal of Immunology, 2016, 197, 726-735.	0.4	28
52	Antagonizing Integrin Î²3 Increases Immunosuppression in Cancer. Cancer Research, 2016, 76, 3484-3495.	0.4	58
53	Editorial: Inflammatory Osteoclasts: A Different Breed of Bone Eaters?. Arthritis and Rheumatology, 2016, 68, 2834-2836.	2.9	13
54	Stromal-Initiated Changes in the Bone Promote Metastatic Niche Development. Cell Reports, 2016, 14, 82-92.	2.9	103

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55	Neonatal High Bone Mass With First Mutation of the NF-ÎºB Complex: Heterozygous De Novo Missense (p.Asp512Ser) RELA (Rela/p65). Journal of Bone and Mineral Research, 2016, 31, 163-172.	3.1	21
56	Congenital insensitivity to pain: Fracturing without apparent skeletal pathobiology caused by an autosomal dominant, second mutation in SCN11A encoding voltage-gated sodium channel 1.9. Bone, 2016, 84, 289-298.	1.4	58
57	Pulsed low-dose RANKL as a potential therapeutic for postmenopausal osteoporosis. JCI Insight, 2016, 1, .	2.3	11
58	Novel ERÎ± positive breast cancer model with estrogen independent growth in the bone microenvironment. Oncotarget, 2016, 7, 49751-49764.	0.8	6
59	Recurrent Anaphylaxis Due to Delayed Allergy to Mammalian Meat in a Patient with Mastocytosis. Journal of Allergy and Clinical Immunology, 2015, 135, AB206.	1.5	1
60	Thrombospondin-1 Regulates Bone Homeostasis Through Effects on Bone Matrix Integrity and Nitric Oxide Signaling in Osteoclasts. Journal of Bone and Mineral Research, 2015, 30, 106-115.	3.1	51
61	Response to: A Rapid Skeletal Turnover in Radiographic Mimic of Osteopetrosis Might Be Secondary to Systemic Mastocytosis. Journal of Bone and Mineral Research, 2015, 30, 946-946.	3.1	1
62	Reply: Response to: Rapid Skeletal Turnover in a Radiographic Mimic of Osteopetrosis Might Be Secondary to Systemic Mastocytosis. Journal of Bone and Mineral Research, 2015, 30, 1537-1537.	3.1	0
63	Alternative NF-ÎºB Regulates RANKL-Induced Osteoclast Differentiation and Mitochondrial Biogenesis via Independent Mechanisms. Journal of Bone and Mineral Research, 2015, 30, 2287-2299.	3.1	70
64	A Bone Anabolic Effect of RANKL in a Murine Model of Osteoporosis Mediated Through FoxP3+ CD8 T Cells. Journal of Bone and Mineral Research, 2015, 30, 1508-1522.	3.1	27
65	Tmem178 acts in a novel negative feedback loop targeting NFATc1 to regulate bone mass. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15654-15659.	3.3	26
66	Diacylglycerol Kinase Î¶ (DGKÎ¶) Is a Critical Regulator of Bone Homeostasis Via Modulation of c-Fos Levels in Osteoclasts. Journal of Bone and Mineral Research, 2015, 30, 1852-1863.	3.1	22
67	NLRP12 provides a critical checkpoint for osteoclast differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10455-10460.	3.3	20
68	Inhibition of CaMKK2 reverses age-associated decline in bone mass. Bone, 2015, 75, 120-127.	1.4	21
69	NLRP3 mediates osteolysis through inflammationâ€dependent and â€independent mechanisms. FASEB Journal, 2015, 29, 1269-1279.	0.2	58
70	Immunohistochemistry of Skeletal Tissues. Methods in Molecular Biology, 2015, 1226, 87-95.	0.4	8
71	Juvenile Paget's disease with heterozygous duplication within TNFRSF11A encoding RANK. Bone, 2014, 68, 153-161.	1.4	42
72	<scp>NFâ€ÎºB</scp> â€inducing kinase is a key regulator of inflammationâ€induced and tumourâ€associated angiogenesis. Journal of Pathology, 2014, 234, 375-385.	2.1	78

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73	p38MAPK Plays a Crucial Role in Stromal-Mediated Tumorigenesis. Cancer Discovery, 2014, 4, 716-729.	7.7	127
74	Rapid Skeletal Turnover in a Radiographic Mimic of Osteopetrosis. Journal of Bone and Mineral Research, 2014, 29, 2601-2609.	3.1	12
75	Anti-cancer IAP antagonists promote bone metastasis: a cautionary tale. Journal of Bone and Mineral Metabolism, 2013, 31, 496-506.	1.3	11
76	Osteoclast-induced Foxp3+ CD8 T-cells limit bone loss in mice. Bone, 2013, 56, 163-173.	1.4	44
77	Inhibition of Ca2+/Calmodulinâ€“Dependent Protein Kinase Kinase 2 Stimulates Osteoblast Formation and Inhibits Osteoclast Differentiation. Journal of Bone and Mineral Research, 2013, 28, 1599-1610.	3.1	52
78	Cellular Players in Breast Cancer Bone Metastases. Clinical Reviews in Bone and Mineral Metabolism, 2013, 11, 122-132.	1.3	1
79	Acute Severe Hypercalcemia After Traumatic Fractures and Immobilization in Hypophosphatasia Complicated by Chronic Renal Failure. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 4606-4612.	1.8	24
80	Down-regulation of PLCÎ³2â€“Î²-catenin pathway promotes activation and expansion of myeloid-derived suppressor cells in cancer. Journal of Experimental Medicine, 2013, 210, 2257-2271.	4.2	71
81	Antagonism of Inhibitor of Apoptosis Proteins Increases Bone Metastasis via Unexpected Osteoclast Activation. Cancer Discovery, 2013, 3, 212-223.	7.7	39
82	Hypermineralized Whale Rostrum as the Exemplar for Bone Mineral. Connective Tissue Research, 2013, 54, 167-175.	1.1	20
83	Germinal Center B-Cells Resist Transformation by Kras Independently of Tumor Suppressor Arf. PLoS ONE, 2013, 8, e67941.	1.1	6
84	NF-ÎºB and Inflammatory Bone Loss: â€œAlternativeâ€•Family Members Take Their Place at the Table. , 2013, , 3-6.		0
85	Highlights on the osteoclast. IBMS BoneKEy, 2012, 9, .	0.1	1
86	A Bioluminescent Transposon Reporter-Trap Identifies Tumor-Specific Microenvironment-Induced Promoters in Salmonella for Conditional Bacterial-Based Tumor Therapy. Cancer Discovery, 2012, 2, 624-637.	7.7	58
87	Correction: CD8+ T Cells Regulate Bone Tumor Burden Independent of Osteoclast Resorption. Cancer Research, 2012, 72, 568-568.	0.4	1
88	Protein kinase Câ€“delta deficiency perturbs bone homeostasis by selective uncoupling of cathepsin K secretion and ruffled border formation in osteoclasts. Journal of Bone and Mineral Research, 2012, 27, 2452-2463.	3.1	49
89	Creation and Preliminary Characterization of a Leptin Knockout Rat. Endocrinology, 2012, 153, 5622-5628.	1.4	38
90	Cyclinâ€dependent kinase inhibitor p21, via its Câ€terminal domain, is essential for resolution of murine inflammatory arthritis. Arthritis and Rheumatism, 2012, 64, 141-152.	6.7	31

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91	The ADP receptor P2RY12 regulates osteoclast function and pathologic bone remodeling. Journal of Clinical Investigation, 2012, 122, 3579-3592.	3.9	87
92	Constitutively Activated NLRP3 Inflammasome Causes Inflammation and Abnormal Skeletal Development in Mice. PLoS ONE, 2012, 7, e35979.	1.1	105
93	Osteoclast motility: Putting the brakes on bone resorption. Ageing Research Reviews, 2011, 10, 54-61.	5.0	70
94	Role of NF-ÎºB in the skeleton. Cell Research, 2011, 21, 169-182.	5.7	259
95	Are We Overtreating Papillomas Diagnosed on Core Needle Biopsy?. Annals of Surgical Oncology, 2011, 18, 946-951.	0.7	37
96	Camurati-engelmann disease: Unique variant featuring a novel mutation in TGFÎ²1 encoding transforming growth factor beta 1 and a missense change in TNFSF11 encoding RANK ligand. Journal of Bone and Mineral Research, 2011, 26, 920-933.	3.1	39
97	CD8+ T Cells Regulate Bone Tumor Burden Independent of Osteoclast Resorption. Cancer Research, 2011, 71, 4799-4808.	0.4	75
98	Unique Personalities Within the NF-ÎºB Family: Distinct Functions for p65 and RelB in the Osteoclast. Advances in Experimental Medicine and Biology, 2011, 691, 163-167.	0.8	7
99	Bisphosphonate-associated femoral fracture: implications for management in patients with malignancies. Osteoporosis International, 2010, 21, 705-708.	1.3	24
100	Dysosteosclerosis presents as an â€œOsteoclast-Poorâ€•form of osteopetrosis: Comprehensive investigation of a 3-year-old girl and literature review. Journal of Bone and Mineral Research, 2010, 25, 2527-2539.	3.1	36
101	NIK Stabilization in Osteoclasts Results in Osteoporosis and Enhanced Inflammatory Osteolysis. PLoS ONE, 2010, 5, e15383.	1.1	41
102	The FOX(O1) Blasts Off. Cell Metabolism, 2010, 11, 175-176.	7.2	2
103	Bone Turnover in Bone Biopsies of Patients with Low-Energy Cortical Fractures Receiving Bisphosphonates: A Case Series. Calcified Tissue International, 2009, 85, 37-44.	1.5	105
104	Vav/Phospholipase CÎ³2â€“mediated control of a neutrophilâ€dependent murine model of rheumatoid arthritis. Arthritis and Rheumatism, 2008, 58, 2712-2722.	6.7	47
105	Bisphosphonate-Induced Osteopetrosis: Novel Bone Modeling Defects, Metaphyseal Osteopenia, and Osteosclerosis Fractures After Drug Exposure Ceases. Journal of Bone and Mineral Research, 2008, 23, 1698-1707.	3.1	88
106	The Osteoclast: Friend or Foe?. Annual Review of Pathology: Mechanisms of Disease, 2008, 3, 457-484.	9.6	318
107	Age-Related Changes in Bone Morphology Are Accelerated in Group VIA Phospholipase A2 (iPLA2Î²)-Null Mice. American Journal of Pathology, 2008, 172, 868-881.	1.9	55
108	RelB is the NF-ÎºB subunit downstream of NIK responsible for osteoclast differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3897-3902.	3.3	139

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109	RelA/p65 promotes osteoclast differentiation by blocking a RANKL-induced apoptotic JNK pathway in mice. Journal of Clinical Investigation, 2008, 118, 2088-97.	3.9	138
110	Parathyroid Hormone Stimulates Osteoblastic Expression of MCP-1 to Recruit and Increase the Fusion of Pre/Osteoclasts. Journal of Biological Chemistry, 2007, 282, 33098-33106.	1.6	183
111	Jawing about TNF: New Hope for Cherubism. Cell, 2007, 128, 15-17.	13.5	33
112	Estrogen and Bone: Osteoclasts Take Center Stage. Cell Metabolism, 2007, 6, 254-256.	7.2	39
113	Damaging Fatigue Loading Stimulates Increases in Periosteal Vascularity at Sites of Bone Formation in the Rat Ulna. Calcified Tissue International, 2007, 80, 391-399.	1.5	41
114	Manifestations in a family with autosomal dominant bone fragility and limb-girdle myopathy. American Journal of Medical Genetics, Part A, 2006, 140A, 322-330.	0.7	9
115	Suppressed Bone Turnover during Alendronate Therapy for High-Turnover Osteoporosis. New England Journal of Medicine, 2006, 355, 2048-2050.	13.9	100
116	PLCÎ³2 regulates osteoclastogenesis via its interaction with ITAM proteins and GAB2. Journal of Clinical Investigation, 2006, 116, 2869-2879.	3.9	194
117	Critical Role of Î²3 Integrin in Experimental Postmenopausal Osteoporosis. Journal of Bone and Mineral Research, 2005, 20, 2116-2123.	3.1	54
118	Mapping autosomal dominant progressive limb-girdle myopathy with bone fragility to chromosome 9p21-p22: a novel locus for a musculoskeletal syndrome. Human Genetics, 2005, 118, 508-514.	1.8	4
119	NF-ÎºBâ€“inducing kinase controls lymphocyte and osteoclast activities in inflammatory arthritis. Journal of Clinical Investigation, 2005, 115, 1848-1854.	3.9	97
120	FHL2 inhibits the activated osteoclast in a TRAF6-dependent manner. Journal of Clinical Investigation, 2005, 115, 2742-2751.	3.9	78
121	M-CSF mediates TNF-induced inflammatory osteolysis. Journal of Clinical Investigation, 2005, 115, 3418-3427.	3.9	257
122	Î² 3 -Integrin Mediates Smooth Muscle Cell Accumulation in Neointima After Carotid Ligation in Mice. Circulation, 2004, 109, 1564-1569.	1.6	55
123	TSH, The Bone Suppressing Hormone. Cell, 2003, 115, 129-130.	13.5	39
124	The IÎºB Function of NF-ÎºB2 p100 Controls Stimulated Osteoclastogenesis. Journal of Experimental Medicine, 2003, 198, 771-781.	4.2	260
125	Â3 integrin deficiency promotes atherosclerosis and pulmonary inflammation in high-fat-fed, hyperlipidemic mice. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6730-6735.	3.3	76
126	Dynamic changes in the osteoclast cytoskeleton in response to growth factors and cell attachment are controlled by Î²3 integrin. Journal of Cell Biology, 2003, 162, 499-509.	2.3	161

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127	A Glanzmannâ€™s mutation in Î²3 integrin specifically impairs osteoclast function. Journal of Clinical Investigation, 2001, 107, 1137-1144.	3.9	131
128	Estrogen deficiency induces bone loss by enhancing T-cell production of TNF-Î±. Journal of Clinical Investigation, 2000, 106, 1229-1237.	3.9	597
129	Mice lacking Î²3 integrins are osteosclerotic because of dysfunctional osteoclasts. Journal of Clinical Investigation, 2000, 105, 433-440.	3.9	651
130	Bcl-2 Gene Family and the Regulation of Programmed Cell Death. Cold Spring Harbor Symposia on Quantitative Biology, 1994, 59, 387-393.	2.0	168
131	Bcl-2-deficient mice demonstrate fulminant lymphoid apoptosis, polycystic kidneys, and hypopigmented hair. Cell, 1993, 75, 229-240.	13.5	1,872
132	Matrix proteins of the teeth of the sea urchinLytechinus variegatus. The Journal of Experimental Zoology, 1986, 240, 35-46.	1.4	58