Marco Emilio Bianchi

List of Publications by Year
in descending order

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205 papers	35,305 citations	3726 89 h-index	3321 184 g-index
215 all docs	215 docs citations	215 times ranked	32760 citing authors

#	Article	IF	Citations
1	Release of chromatin protein HMGB1 by necrotic cells triggers inflammation. Nature, 2002, 418, 191-195.	13.7	3,748
2	DAMPs, PAMPs and alarmins: all we need to know about danger. Journal of Leukocyte Biology, 2007, 81, 1-5.	1.5	2,383
3	Monocytic cells hyperacetylate chromatin protein HMGB1 to redirect it towards secretion. EMBO Journal, 2003, 22, 5551-5560.	3.5	1,071
4	Cancer cellâ€“autonomous contribution of type I interferon signaling to the efficacy of chemotherapy. Nature Medicine, 2014, 20, 1301-1309.	15.2	823
5	Endogenous HMGB1 regulates autophagy. Journal of Cell Biology, 2010, 190, 881-892.	2.3	819
6	The nuclear protein HMGB1 is secreted by monocytes via a nonâ€classical, vesicleâ€mediated secretory pathway. EMBO Reports, 2002, 3, 995-1001.	2.0	818
7	Toll-like receptor 4 and high-mobility group box-1 are involved in ictogenesis and can be targeted to reduce seizures. Nature Medicine, 2010, 16, 413-419.	15.2	777
8	Specific recognition of cruciform DNA by nuclear protein HMG1. Science, 1989, 243, 1056-1059.	6.0	624
9	HMGB proteins function as universal sentinels for nucleic-acid-mediated innate immune responses. Nature, 2009, 462, 99-103.	13.7	602
10	Mutually exclusive redox forms of HMGB1 promote cell recruitment or proinflammatory cytokine release. Journal of Experimental Medicine, 2012, 209, 1519-1528.	4.2	590
11	HMGB1 is an endogenous immune adjuvant released by necrotic cells. EMBO Reports, 2004, 5, 825-830.	2.0	556
12	High-Mobility Group Box-1 in Ischemia-Reperfusion Injury of the Heart. Circulation, 2008, 117, 3216-3226.	1.6	554
13	Ultraviolet-radiation-induced inflammation promotes angiotropism and metastasis in melanoma. Nature, 2014, 507, 109-113.	13.7	547
14	HMGB1 promotes recruitment of inflammatory cells to damaged tissues by forming a complex with CXCL12 and signaling via CXCR4. Journal of Experimental Medicine, 2012, 209, 551-563.	4.2	539
15	Highâ€mobility group box 1 (HMGB1) protein at the crossroads between innate and adaptive immunity. Immunological Reviews, 2007, 220, 35-46.	2.8	532
16	DAMPs from Cell Death to New Life. Frontiers in Immunology, 2015, 6, 422.	2.2	500
17	Glycyrrhizin Binds to High-Mobility Group Box 1 Protein and Inhibits Its Cytokine Activities. Chemistry and Biology, 2007, 14, 431-441.	6.2	484
18	A soluble form of the receptor for advanced glycation endproducts (RAGE) is produced by proteolytic cleavage of the membraneâ€bound form by the sheddase a disintegrin and metalloprotease 10 (ADAM10). FASEB Journal, 2008, 22, 3716-3727.	0.2	483

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19	The lack of chromosomal protein Hmg1 does not disrupt cell growth but causes lethal hypoglycaemia in newborn mice. Nature Genetics, 1999, 22, 276-280.	9.4	476
20	Induction of inflammatory and immune responses by HMGB1â€“nucleosome complexes: implications for the pathogenesis of SLE. Journal of Experimental Medicine, 2008, 205, 3007-3018.	4.2	467
21	Release of High Mobility Group Box 1 by Dendritic Cells Controls T Cell Activation via the Receptor for Advanced Glycation End Products. Journal of Immunology, 2005, 174, 7506-7515.	0.4	462
22	HMG proteins: dynamic players in gene regulation and differentiation. Current Opinion in Genetics and Development, 2005, 15, 496-506.	1.5	443
23	The High Mobility Group (Hmg) Boxes of the Nuclear Protein Hmg1 Induce Chemotaxis and Cytoskeleton Reorganization in Rat Smooth Muscle Cells. Journal of Cell Biology, 2001, 152, 1197-1206.	2.3	435
24	Extracellular HMGB1, a signal of tissue damage, induces mesoangioblast migration and proliferation. Journal of Cell Biology, 2004, 164, 441-449.	2.3	428
25	Activated platelets present high mobility group box 1 to neutrophils, inducing autophagy and promoting the extrusion of neutrophil extracellular traps. Journal of Thrombosis and Haemostasis, 2014, 12, 2074-2088.	1.9	426
26	A novel role for HMGB1 in TLR9-mediated inflammatory responses to CpG-DNA. Blood, 2007, 110, 1970-1981.	0.6	420
27	NEW EMBO MEMBERS' REVIEW: The double life of HMGB1 chromatin protein: architectural factor and extracellular signal. EMBO Journal, 2001, 20, 4337-4340.	3.5	381
28	Redox Modification of Cysteine Residues Regulates the Cytokine Activity of High Mobility Group Box-1 (HMGB1). Molecular Medicine, 2012, 18, 250-259.	1.9	378
29	HMGB1 loves company. Journal of Leukocyte Biology, 2009, 86, 573-576.	1.5	360
30	HMGB proteins and gene expression. Current Opinion in Genetics and Development, 2003, 13, 170-178.	1.5	348
31	A novel pathway of HMGB1-mediated inflammatory cell recruitment that requires Mac-1-integrin. EMBO Journal, 2007, 26, 1129-1139.	3.5	344
32	High-Mobility Group Chromatin Proteins 1 and 2 Functionally Interact with Steroid Hormone Receptors To Enhance Their DNA Binding In Vitro and Transcriptional Activity in Mammalian Cells. Molecular and Cellular Biology, 1998, 18, 4471-4487.	1.1	322
33	HMGB1: guiding immunity from within. Trends in Immunology, 2005, 26, 381-387.	2.9	319
34	Regulated expression and subcellular localization of HMGB1, a chromatin protein with a cytokine function. Journal of Internal Medicine, 2004, 255, 332-343.	2.7	316
35	High-Mobility Group Box 1 Activates Integrin-Dependent Homing of Endothelial Progenitor Cells. Circulation Research, 2007, 100, 204-212.	2.0	284
36	Highâ€mobility group box 1 protein orchestrates responses to tissue damage via inflammation, innate and adaptive immunity, and tissue repair. Immunological Reviews, 2017, 280, 74-82.	2.8	281

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37	Exogenous High-Mobility Group Box 1 Protein Induces Myocardial Regeneration After Infarction via Enhanced Cardiac C-Kit + Cell Proliferation and Differentiation. Circulation Research, 2005, 97, e73-83.	2.0	256
38	Cells migrating to sites of tissue damage in response to the danger signal HMGB1 require NF-Î²B activation. Journal of Cell Biology, 2007, 179, 33-40.	2.3	237
39	Programmed necrosis induced by asbestos in human mesothelial cells causes high-mobility group box 1 protein release and resultant inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12611-12616.	3.3	234
40	General transcription factors bind promoters repressed by Polycomb group proteins. Nature, 2001, 412, 651-655.	13.7	231
41	The DNA chaperone HMGB1 facilitates ACF/CHRAC-dependent nucleosome sliding. EMBO Journal, 2002, 21, 6865-6873.	3.5	219
42	Disulfide HMGB1 derived from platelets coordinates venous thrombosis in mice. Blood, 2016, 128, 2435-2449.	0.6	219
43	The secretion of HMGB1 is required for the migration of maturing dendritic cells. Journal of Leukocyte Biology, 2007, 81, 84-91.	1.5	214
44	HMGB1 as biomarker and drug target. Pharmacological Research, 2016, 111, 534-544.	3.1	214
45	Cancer Cell Secretion of the DAMP Protein HMGB1 Supports Progression in Malignant Mesothelioma. Cancer Research, 2012, 72, 3290-3301.	0.4	213
46	High mobility group box 1 protein is released by neural cells upon different stresses and worsens ischemic neurodegeneration in vitro and in vivo. Journal of Neurochemistry, 2007, 103, 590-603.	2.1	204
47	Inflammatory and alternatively activated human macrophages attract vessel-associated stem cells, relying on separate HMGB1- and MMP-9-dependent pathways. Journal of Leukocyte Biology, 2009, 85, 779-787.	1.5	194
48	Substantial Histone Reduction Modulates Genomewide Nucleosomal Occupancy and Global Transcriptional Output. PLoS Biology, 2011, 9, e1001086.	2.6	193
49	A hyper-dynamic equilibrium between promoter-bound and nucleoplasmic dimers controls NF-Î²B-dependent gene activity. EMBO Journal, 2006, 25, 798-810.	3.5	192
50	HMGB1 and leukocyte migration during trauma and sterile inflammation. Molecular Immunology, 2013, 55, 76-82.	1.0	189
51	Protein HU binds specifically to kinked DNA. Molecular Microbiology, 1993, 7, 343-350.	1.2	187
52	Requirement of HMGB1 and RAGE for the maturation of human plasmacytoid dendritic cells. European Journal of Immunology, 2005, 35, 2184-2190.	1.6	175
53	Insertions, deletions and mismatches in heteroduplex DNA made by recA protein. Cell, 1983, 35, 511-520.	13.5	162
54	Synapsis and the formation of paranemic joints by E. coli RecA protein. Cell, 1983, 34, 931-939.	13.5	158

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55	Smooth muscle cells in human atherosclerotic plaques secrete and proliferate in response to high mobility group box 1 protein. FASEB Journal, 2006, 20, 2565-2566.	0.2	157
56	Interleukin-1 type 1 receptor/Toll-like receptor signalling in epilepsy: the importance of IL-1beta and high-mobility group box 1. Journal of Internal Medicine, 2011, 270, 319-326.	2.7	157
57	HMGB1: A signal of necrosis. Autoimmunity, 2007, 40, 285-289.	1.2	156
58	TLR4-mediated skin carcinogenesis is dependent on immune and radioresistant cells. EMBO Journal, 2010, 29, 2242-2252.	3.5	148
59	Upwardly mobile proteins. EMBO Reports, 2000, 1, 109-114.	2.0	146
60	High-Mobility Group Box 1 Protein in Human and Murine Skin: Involvement in Wound Healing. Journal of Investigative Dermatology, 2008, 128, 1545-1553.	0.3	146
61	The Chemokine Receptor CXCR4 in Cell Proliferation and Tissue Regeneration. Frontiers in Immunology, 2020, 11, 2109.	2.2	142
62	Disulfide-Containing High Mobility Group Box-1 PromotesN-Methyl-<scp>d</scp>-Aspartate Receptor Function and Excitotoxicity by Activating Toll-Like Receptor 4-Dependent Signaling in Hippocampal Neurons. Antioxidants and Redox Signaling, 2014, 21, 1726-1740.	2.5	141
63	Receptor for Advanced Glycation Endproducts is upregulated in temporal lobe epilepsy and contributes to experimental seizures. Neurobiology of Disease, 2013, 58, 102-114.	2.1	139
64	Dangers In and Out. Science, 2009, 323, 1683-1684.	6.0	136
65	High mobility group box 1 orchestrates tissue regeneration via CXCR4. Journal of Experimental Medicine, 2018, 215, 303-318.	4.2	131
66	Association of Chromatin Proteins High Mobility Group Box (HMGB) 1 and HMGB2 with Mitotic Chromosomes. Molecular Biology of the Cell, 2003, 14, 3414-3426.	0.9	128
67	Aging-related loss of the chromatin protein HMGB2 in articular cartilage is linked to reduced cellularity and osteoarthritis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1181-1186.	3.3	124
68	NF-Î¹B oscillations translate into functionally related patterns of gene expression. ELife, 2016, 5, e09100.	2.8	123
69	High Mobility Group 1 Protein Is Not Stably Associated with the Chromosomes of Somatic Cells. Journal of Cell Biology, 1997, 137, 19-26.	2.3	121
70	Treatment with HMGB1 inhibitors diminishes CTL-induced liver disease in HBV transgenic mice. Journal of Leukocyte Biology, 2007, 81, 100-107.	1.5	120
71	Platelet microparticles sustain autophagy-associated activation of neutrophils in systemic sclerosis. Science Translational Medicine, 2018, 10, .	5.8	118
72	The Receptor for Advanced Glycation End-Products (RAGE) Is Only Present in Mammals, and Belongs to a Family of Cell Adhesion Molecules (CAMs). PLoS ONE, 2014, 9, e86903.	1.1	115

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73	The RAG1 Homeodomain Recruits HMG1 and HMG2 To Facilitate Recombination Signal Sequence Binding and To Enhance the Intrinsic DNA-Bending Activity of RAG1-RAG2. Molecular and Cellular Biology, 1999, 19, 6532-6542.	1.1	112
74	Flexing DNA: HMG-Box Proteins and Their Partners. American Journal of Human Genetics, 1998, 63, 1573-1577.	2.6	110
75	Drosophila Chromosome Condensation Proteins Topoisomerase II and Barren Colocalize with Polycomb and Maintain Fab-7 PRE Silencing. Molecular Cell, 2001, 7, 127-136.	4.5	110
76	Maturing Dendritic Cells Depend on RAGE for In Vivo Homing to Lymph Nodes. Journal of Immunology, 2008, 180, 2270-2275.	0.4	109
77	GR and HMGB1 Interact Only within Chromatin and Influence Each Otherâ€™s Residence Time. Molecular Cell, 2005, 18, 109-121.	4.5	108
78	HMGB1: the missing link between diabetes mellitus and heart failure. Basic Research in Cardiology, 2010, 105, 805-820.	2.5	105
79	Live-cell p53 single-molecule binding is modulated by C-terminal acetylation and correlates with transcriptional activity. Nature Communications, 2017, 8, 313.	5.8	104
80	Sustained Oscillations of NF-ÎºB Produce Distinct Genome Scanning and Gene Expression Profiles. PLoS ONE, 2009, 4, e7163.	1.1	104
81	Chromatin and cell death. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2004, 1677, 181-186.	2.4	102
82	Spatially Precise DNA Bending Is an Essential Activity of the Sox2 Transcription Factor. Journal of Biological Chemistry, 2001, 276, 47296-47302.	1.6	101
83	Requirement of HMGB1 for stromal cell-derived factor-1/CXCL12-dependent migration of macrophages and dendritic cells. Journal of Leukocyte Biology, 2009, 86, 609-615.	1.5	100
84	The Janus face of HMGB1 in heart disease: a necessary update. Cellular and Molecular Life Sciences, 2019, 76, 211-229.	2.4	99
85	Aspirinâ€™s Active Metabolite Salicylic Acid Targets High Mobility Group Box 1 to Modulate Inflammatory Responses. Molecular Medicine, 2015, 21, 526-535.	1.9	97
86	Kupffer Cells Hasten Resolution of Liver Immunopathology in Mouse Models of Viral Hepatitis. PLoS Pathogens, 2011, 7, e1002061.	2.1	96
87	Hyperpolarization-activated Cyclic Nucleotide-gated Channel 1 Is a Molecular Determinant of the Cardiac Pacemaker Current I f. Journal of Biological Chemistry, 2001, 276, 29233-29241.	1.6	95
88	Multiple Effects of High Mobility Group Box Protein 1 in Skeletal Muscle Regeneration. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 2377-2383.	1.1	95
89	The Long Acidic Tail of High Mobility Group Box 1 (HMGB1) Protein Forms an Extended and Flexible Structure That Interacts with Specific Residues within and between the HMG Boxes. Biochemistry, 2004, 43, 11992-11997.	1.2	94
90	A Systematic Nomenclature for the Redox States of High Mobility Group Box (HMGB) Proteins. Molecular Medicine, 2014, 20, 135-137.	1.9	94

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91	HMG box proteins bind to four-way DNA junctions in their open conformation. EMBO Journal, 1998, 17, 817-826.	3.5	93
92	Epithelial calcineurin controls microbiota-dependent intestinal tumor development. Nature Medicine, 2016, 22, 506-515.	15.2	93
93	miR-34a Promotes Vascular Smooth Muscle Cell Calcification by Downregulating SIRT1 (Sirtuin 1) and Axl (AXL Receptor Tyrosine Kinase). Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 2079-2090.	1.1	93
94	A nuclear protein complex containing high mobility group proteins B1 and B2, heat shock cognate protein 70, ERp60, and glyceraldehyde-3-phosphate dehydrogenase is involved in the cytotoxic response to DNA modified by incorporation of anticancer nucleoside analogues. Cancer Research, 2003, 63, 100-6.	0.4	91
95	Stage-Specific Secretion of HMGB1 in Cartilage Regulates Endochondral Ossification. Molecular and Cellular Biology, 2007, 27, 5650-5663.	1.1	90
96	Inhibitor of NF-Î¹B Kinases Î± and Î² Are Both Essential for High Mobility Group Box 1-Mediated Chemotaxis. Journal of Immunology, 2010, 184, 4497-4509.	0.4	90
97	Hmg4,a New Member of theHmg1/2Gene Family. Genomics, 1998, 49, 247-252.	1.3	87
98	HMGB1 interacts differentially with members of the Rel family of transcription factors. Biochemical and Biophysical Research Communications, 2003, 302, 421-426.	1.0	86
99	Yeast Nhp6A/B and Mammalian Hmgb1 Facilitate the Maintenance of Genome Stability. Current Biology, 2005, 15, 68-72.	1.8	84
100	High mobility group box 1 protein, a cue for stem cell recruitment. Biochemical Pharmacology, 2004, 68, 1165-1170.	2.0	83
101	Oxidative Stress Elicits Platelet/Leukocyte Inflammatory InteractionsviaHMGB1: A Candidate for Microvessel Injury in Sytemic Sclerosis. Antioxidants and Redox Signaling, 2014, 20, 1060-1074.	2.5	81
102	High Mobility Group Protein 1 Interacts Specifically with the Core Domain of Human TATA Box-binding Protein and Interferes with Transcription Factor IIB within the Pre-initiation Complex. Journal of Biological Chemistry, 1999, 274, 1628-1634.	1.6	79
103	The evolution of High Mobility Group Box (HMGB) chromatin proteins in multicellular animals. Gene, 2007, 387, 133-140.	1.0	78
104	HMGB1, an architectural chromatin protein and extracellular signalling factor, has a spatially and temporally restricted expression pattern in mouse brain. Gene Expression Patterns, 2003, 3, 29-33.	0.3	75
105	Prokaryotic HU and eukaryotic HMG1: a kinked relationship. Molecular Microbiology, 1994, 14, 1-5.	1.2	71
106	The Active Gene That Encodes Human High Mobility Group 1 Protein (HMG1) Contains Introns and Maps to Chromosome 13. Genomics, 1996, 35, 367-371.	1.3	70
107	HuR and miR-1192 regulate myogenesis by modulating the translation of HMGB1 mRNA. Nature Communications, 2013, 4, 2388.	5.8	69
108	The human gene coding for HCN2, a pacemaker channel of the heart. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1999, 1446, 419-425.	2.4	68

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109	The adhesion molecule NCAM promotes ovarian cancer progression via FGFR signalling. EMBO Molecular Medicine, 2011, 3, 480-494.	3.3	67
110	Mutational analysis of the DNA binding domain A of chromosomal protein HMG1. Nucleic Acids Research, 1994, 22, 285-292.	6.5	65
111	Aspirin delays mesothelioma growth by inhibiting HMGB1-mediated tumor progression. Cell Death and Disease, 2015, 6, e1786-e1786.	2.7	61
112	Regulation of Dendritic- and T-Cell Fate by Injury-Associated Endogenous Signals. Critical Reviews in Immunology, 2009, 29, 69-86.	1.0	61
113	Unwinding associated with synapsis of DNA molecules by recA protein.. Proceedings of the National Academy of Sciences of the United States of America, 1983, 80, 1256-1260.	3.3	60
114	NMR Spectroscopic Analysis of the DNA Conformation Induced by the Human Testis Determining Factor SRY. Biochemistry, 1995, 34, 11998-12004.	1.2	60
115	Thermodynamics of HMGB1 Interaction with Duplex DNAâ€. Biochemistry, 2001, 40, 10254-10261.	1.2	60
116	HMGB1 is upregulated in the airways in asthma and potentiates airway smooth muscle contraction via TLR4. Journal of Allergy and Clinical Immunology, 2017, 140, 584-587.e8.	1.5	55
117	Mmot1, a New Helix-Loop-Helix Transcription Factor Gene Displaying a Sharp Expression Boundary in the Embryonic Mouse Brain. Journal of Biological Chemistry, 1997, 272, 17632-17639.	1.6	54
118	Brain-released alarmins and stress response synergize in accelerating atherosclerosis progression after stroke. Science Translational Medicine, 2018, 10, .	5.8	54
119	The IL-1/IL-1 receptor axis and tumor cell released inflammasome adaptor ASC are key regulators of TSLP secretion by cancer associated fibroblasts in pancreatic cancer. , 2019, 7, 45.		54
120	Expression patterns of zebrafish sox11A, sox11B and sox21. Mechanisms of Development, 1999, 89, 167-171.	1.7	52
121	Significant (re)location: how to use chromatin and/or abundant proteins as messages of life and death. Trends in Cell Biology, 2004, 14, 287-293.	3.6	51
122	Src family kinases are necessary for cell migration induced by extracellular HMGB1. Journal of Leukocyte Biology, 2009, 86, 617-623.	1.5	51
123	Exploring the biological functional mechanism of the HMGB1/TLR4/MD-2 complex by surface plasmon resonance. Molecular Medicine, 2018, 24, 21.	1.9	50
124	Protective targeting of high mobility group box chromosomal protein 1 in a spontaneous arthritis model. Arthritis and Rheumatism, 2010, 62, 2963-2972.	6.7	49
125	Recombinant HMG1 Protein Produced in Pichia pastoris: A Nonviral Gene Delivery Agent. BioTechniques, 1997, 22, 718-729.	0.8	48
126	LPS-Challenged Macrophages Release Microvesicles Coated With Histones. Frontiers in Immunology, 2018, 9, 1463.	2.2	47

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127	Interaction between Cisplatin-modified DNA and the HMG Boxes of HMG 1: DNase I Footprinting and Circular Dichroism. Journal of Molecular Biology, 1995, 246, 243-247.	2.0	46
128	Production of functional rat HMG1 protein in Escherichia coli. Gene, 1991, 104, 271-275.	1.0	44
129	5â€Fluorouracil causes leukocytes attraction in the peritoneal cavity by activating autophagy and HMGB1 release in colon carcinoma cells. International Journal of Cancer, 2015, 136, 1381-1389.	2.3	44
130	HMGB1 targeting by ethyl pyruvate suppresses malignant phenotype of human mesothelioma. Oncotarget, 2017, 8, 22649-22661.	0.8	43
131	High mobility group B2 is secreted by myeloid cells and has mitogenic and chemoattractant activities similar to high mobility group B1. Autoimmunity, 2009, 42, 308-310.	1.2	42
132	Citrullination Licenses Calpain to Decondense Nuclei in Neutrophil Extracellular Trap Formation. Frontiers in Immunology, 2019, 10, 2481.	2.2	41
133	Evolutionary conservation in the DNA-binding and -bending properties of HMG-boxes from SRY proteins of primates. Gene, 1995, 154, 277-280.	1.0	40
134	Redox-Mediated Mechanisms Fuel Monocyte Responses to CXCL12/HMGB1 in Active Rheumatoid Arthritis. Frontiers in Immunology, 2018, 9, 2118.	2.2	40
135	Leukocyte HMGB1 Is Required for Vessel Remodeling in Regenerating Muscles. Journal of Immunology, 2014, 192, 5257-5264.	0.4	39
136	How macrophages ring the inflammation alarm. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2866-2867.	3.3	38
137	Sexy splicing: regulatory interplays governing sex determination from Drosophila to mammals. Journal of Cell Science, 2003, 116, 441-445.	1.2	36
138	Human malignant mesothelioma is recapitulated in immunocompetent BALB/c mice injected with murine AB cells. Scientific Reports, 2016, 6, 22850.	1.6	36
139	Conformation of short DNA fragments by modulated fluorescence polarization anisotropy. Biopolymers, 1995, 36, 211-225.	1.2	35
140	Damage Associated Molecular Pattern Molecule-Induced microRNAs (DAMPmiRs) in Human Peripheral Blood Mononuclear Cells. PLoS ONE, 2012, 7, e38899.	1.1	35
141	Diflunisal targets the <scp>HMGB</scp> 1/ <scp>CXCL</scp> 12 heterocomplex and blocks immune cell recruitment. EMBO Reports, 2019, 20, e47788.	2.0	34
142	High-Throughput Analysis of NF-ÎºB Dynamics in Single Cells Reveals Basal Nuclear Localization of NF-ÎºB and Spontaneous Activation of Oscillations. PLoS ONE, 2014, 9, e90104.	1.1	33
143	Domain-domain interactions in high mobility group 1 protein (HMG1). FEBS Journal, 1999, 260, 692-700.	0.2	32
144	Identification of the yeast DNA polymerase I gene with antibody probes. Current Genetics, 1985, 10, 245-252.	0.8	30

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145	Redox remodeling: a candidate regulator of HMGB1 function in injured skeletal muscle. Annals of the New York Academy of Sciences, 2010, 1209, 83-90.	1.8	29
146	High mobility group 1 (HMG1) protein in mouse preimplantation embryos. Mechanisms of Development, 1998, 76, 57-66.	1.7	28
147	CXCR4/CXCL12 Activities in the Tumor Microenvironment and Implications for Tumor Immunotherapy. Cancers, 2022, 14, 2314.	1.7	27
148	Oxidative stress controls the choice of alternative last exons via a Brahmaâ€“BRCA1â€“CstF pathway. Nucleic Acids Research, 2017, 45, 902-914.	6.5	26
149	Rebalancing expression of HMGB1 redox isoforms to counteract muscular dystrophy. Science Translational Medicine, 2021, 13, .	5.8	26
150	Nucleosomes effectively shield DNA from radiation damage in living cells. Nucleic Acids Research, 2020, 48, 8993-9006.	6.5	25
151	Redox modifications of cysteine residues regulate the cytokine activity of HMGB1. Molecular Medicine, 2021, 27, 58.	1.9	25
152	Nucleosome loss facilitates the chemotactic response of macrophages. Journal of Internal Medicine, 2014, 276, 454-469.	2.7	24
153	The shedding-derived soluble receptor for advanced glycation endproducts sustains inflammation during acute Pseudomonas aeruginosa lung infection. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 354-364.	1.1	24
154	Oxidation of HMGB1 Is a Dynamically Regulated Process in Physiological and Pathological Conditions. Frontiers in Immunology, 2020, 11, 1122.	2.2	23
155	Nestin Is a Neuroepithelial Target Gene of Thyroid Transcription Factor-1, a Homeoprotein Required for Forebrain Organogenesis. Journal of Biological Chemistry, 2001, 276, 47807-47813.	1.6	22
156	Extracellular high mobility group box-1 inhibits R5 and X4 HIV-1 strains replication in mononuclear phagocytes without induction of chemokines and cytokines. Aids, 2009, 23, 567-577.	1.0	22
157	Killing cancer cells, twice with one shot. Cell Death and Differentiation, 2014, 21, 1-2.	5.0	22
158	Mapping of the Hmg1 gene and of seven related sequences in the mouse. Mammalian Genome, 1995, 6, 581-585.	1.0	21
159	Molecular mechanisms in male determination and germ cell differentiation. Cellular and Molecular Life Sciences, 2004, 61, 1907-1925.	2.4	21
160	A simple model of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0030.gif" overflow="scroll"><mml:mi>NF</mml:mi><mml:mi mathvariant="normal">-</mml:mi><mml:mi>Î²</mml:mi><mml:mi mathvariant="normal">B</mml:mi></mml:math> dynamics reproduces experimental observations. Journal of Theoretical Biology, 2014, 347, 44-53.	0.8	21
161	DNA-based strategies for blocking HMGB1 cytokine activity: design, synthesis and preliminary in vitro/in vivo assays of DNA and DNA-like duplexes. Molecular BioSystems, 2011, 7, 1742.	2.9	20
162	Leukocytes recruited by tumor-derived HMGB1 sustain peritoneal carcinomatosis. OncoImmunology, 2016, 5, e1122860.	2.1	20

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163	Mn2+ and Mg2+ uptake in Mn-sensitive and Mn-resistant yeast strains. Plant Science Letters, 1981, 22, 345-352.	1.9	18
164	A human short-chain dehydrogenase/reductase gene: structure, chromosomal localization, tissue expression and subcellular localization of its product. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2002, 1574, 215-222.	2.4	18
165	From Human Megakaryocytes to Platelets: Effects of Aspirin on High-Mobility Group Box 1/Receptor for Advanced Glycation End Products Axis. Frontiers in Immunology, 2017, 8, 1946.	2.2	18
166	Mutants resistant to manganese in Saccharomyces cerevisiae. Current Genetics, 1981, 4, 215-220.	0.8	17
167	Sequence of the cDNA for one acidic ribosomal protein ofSchizosaccharomyces pombe. Nucleic Acids Research, 1987, 15, 9089-9089.	6.5	17
168	Differential Binding of HMG1, HMG2, and a Single HMG Box to Cisplatin-Damaged DNA. Toxicology and Applied Pharmacology, 1996, 141, 532-539.	1.3	17
169	Ku70/Ku80 and DNA-dependent Protein Kinase Catalytic Subunit Modulate RAG-mediated Cleavage. Journal of Biological Chemistry, 2004, 279, 29821-29831.	1.6	16
170	Loss of Endogenous HMGB2 Promotes Cardiac Dysfunction and Pressure Overload-Induced Heart Failure in Mice. Circulation Journal, 2019, 83, 368-378.	0.7	16
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