

Top Peer Reviewed Journals – Molecular Biology & Genetics

Presented to

Iowa State University

Presented by

Thomson Reuters



THOMSON REUTERS

Molecular Biology & Genetics

The subject discipline for Molecular Biology & Genetics is made of 5 narrow subject categories from the Web of Science. The 5 categories that make up Molecular Biology & Genetics are:

1. Biochemistry & Molecular Biology
2. Cell Biology
3. Cytology & Histology
4. Developmental Biology
5. Genetics & Heredity

The chart below provides an ordered view of the top peer reviewed journals within the 1st quartile for Molecular Biology & Genetics based on Impact Factors (IF), three year averages and their quartile ranking.

Journal	2009 IF	2010 IF	2011 IF	Average IF
NATURE REVIEWS MOLECULAR CELL BIOLOGY	42.19	38.65	39.12	39.99
NATURE GENETICS	34.28	36.37	35.53	35.39
NATURE REVIEWS GENETICS	27.82	32.74	38.07	32.88
CELL	31.15	32.4	32.4	31.98
NATURE CELL BIOLOGY	19.52	19.4	19.48	19.47
ANNUAL REVIEW OF GENETICS	13.23	21.77	22.23	19.08
ANNUAL REVIEW OF CELL AND DEVELOPMENTAL BIOLOGY	19.57	14.07	15.83	16.49
Cell Metabolism	17.35	18.2	13.66	16.40
ANNUAL REVIEW OF GENOMICS AND HUMAN GENETICS	11.56	17.18	14.82	14.52
MOLECULAR CELL	14.6	14.19	14.17	14.32
DEVELOPMENTAL CELL	13.36	13.94	14.03	13.78
CURRENT OPINION IN CELL BIOLOGY	14.15	13.54	12.89	13.53
GENOME RESEARCH	11.34	13.58	13.6	12.84
TRENDS IN CELL BIOLOGY	12.11	12.14	12.35	12.20
GENES & DEVELOPMENT	12.07	12.88	11.65	12.20
AMERICAN JOURNAL OF HUMAN GENETICS	12.3	11.68	10.6	11.53
Journal of Molecular Cell Biology		13.4	7.66	10.53
Molecular Systems Biology	12.12	9.66	8.62	10.13
TRENDS IN GENETICS	8.68	11.36	10.06	10.03
JOURNAL OF CELL BIOLOGY	9.57	9.92	10.26	9.92

EMBO JOURNAL	8.99	10.12	9.2	9.44
PLoS Genetics	9.53	9.54	8.69	9.25
CURRENT OPINION IN GENETICS & DEVELOPMENT	8.98	9.38	8.08	8.81
CELL DEATH AND DIFFERENTIATION	8.24	9.05	8.84	8.71
CELL RESEARCH	8.15	9.41	8.19	8.58
MOLECULAR & CELLULAR PROTEOMICS	8.79	8.35	7.39	8.18
Science Translational Medicine			7.8	7.80
HUMAN MOLECULAR GENETICS	7.38	8.05	7.63	7.69
INTERNATIONAL REVIEW OF CYTOLOGY- A SURVEY OF CELL BIOLOGY	6.08	9		7.54
GENOME BIOLOGY	6.62	6.88	9.03	7.51
CYTOKINE & GROWTH FACTOR REVIEWS	6.48	8.23	7.81	7.51
MUTATION RESEARCH-REVIEWS IN MUTATION RESEARCH	7.09	8.74	6.46	7.43
EMBO REPORTS	6.9	7.82	7.35	7.36
AGING CELL	7.55	7.14	6.26	6.98
Science Signaling		6.35	7.49	6.92
DEVELOPMENT	7.19	6.89	6.59	6.89
SEMINARS IN CELL & DEVELOPMENTAL BIOLOGY	6.34	5.9	6.64	6.29
STRUCTURE	5.9	6.33	6.34	6.19
JOURNAL OF CELL SCIENCE	6.14	6.29	6.11	6.18
HUMAN MUTATION	6.88	5.95	5.68	6.17
Circulation-Cardiovascular Genetics			6.1	6.10
MOLECULAR AND CELLULAR BIOLOGY	6.05	6.18	5.52	5.92
CURRENT TOPICS IN DEVELOPMENTAL BIOLOGY	5.75	5.89	6	5.88
MOLECULAR BIOLOGY OF THE CELL	5.97	5.86	4.94	5.59
Cell Communication and Signaling			5.5	5.50
RNA Biology	5.55	5.59	4.93	5.36
PROGRESS IN HISTOCHEMISTRY AND CYTOCHEMISTRY	5.9	4.8		5.35
Cell Death & Disease			5.33	5.33
JOURNAL OF PROTEOME RESEARCH	5.13	5.46	5.11	5.23
CELL CYCLE		4.99	5.35	5.17
Aging-US			5.12	5.12
Molecular Oncology			5.08	5.08
Brain Structure & Function	4.41	4.98	5.62	5.00

Journal of Proteomics		5.07	4.87	4.97
CHROMOSOMA	4.97			4.97
DNA RESEARCH	4.91	4.75	5.16	4.94
BIOLOGY OF THE CELL		4.89		4.89
BIOCHIMICA ET BIOPHYSICA ACTA- MOLECULAR CELL RESEARCH	4.37	4.73	5.53	4.88
CURRENT GENE THERAPY	4.85	4.9		4.88
HUMAN GENETICS	4.52	5.04	5.06	4.87
MECHANISMS OF AGEING AND DEVELOPMENT		4.85		4.85
HUMAN GENE THERAPY		4.82		4.82
APOPTOSIS			4.78	4.78
GENE THERAPY	4.74			4.74
HISTOCHEMISTRY AND CELL BIOLOGY		4.72		4.72
International Review of Cell and Molecular Biology		4.95	4.48	4.72
Pigment Cell & Melanoma Research	4.34	4.75	5.05	4.71
Genome Biology and Evolution			4.61	4.61
TISSUE ENGINEERING	4.58	4.63		4.61
Epigenetics	4.58	4.62		4.60
Epigenetics & Chromatin		4.73	4.46	4.60
JOURNAL OF CELLULAR PHYSIOLOGY	4.58			4.58
CURRENT ISSUES IN MOLECULAR BIOLOGY	4.58			4.58
PROTEOMICS	4.42	4.81	4.5	4.58
HEREDITY		4.56	4.59	4.58
AMERICAN JOURNAL OF MEDICAL GENETICS PART C-SEMINARS IN MEDICAL GENETICS	4.56			4.56
EUROPEAN JOURNAL OF HUMAN GENETICS			4.4	4.40
Biochimica et Biophysica Acta-Gene Regulatory Mechanisms			4.4	4.40
DEVELOPMENTAL BIOLOGY	4.37			4.37

Year – 2009

Journal	Impact Factor	Ranking
NATURE REVIEWS MOLECULAR CELL BIOLOGY	42.19	1/233
NATURE GENETICS	34.28	2/233
CELL	31.15	3/233
NATURE REVIEWS GENETICS	27.82	4/233
ANNUAL REVIEW OF CELL AND DEVELOPMENTAL BIOLOGY	19.57	5/233

NATURE CELL BIOLOGY	19.52	6/233
Cell Metabolism	17.35	7/233
MOLECULAR CELL	14.6	8/233
CURRENT OPINION IN CELL BIOLOGY	14.15	9/233
DEVELOPMENTAL CELL	13.36	10/233
ANNUAL REVIEW OF GENETICS	13.23	11/233
AMERICAN JOURNAL OF HUMAN GENETICS	12.3	12/233
Molecular Systems Biology	12.12	13/233
TRENDS IN CELL BIOLOGY	12.11	14/233
GENES & DEVELOPMENT	12.07	15/233
ANNUAL REVIEW OF GENOMICS AND HUMAN GENETICS	11.56	16/233
GENOME RESEARCH	11.34	17/233
JOURNAL OF CELL BIOLOGY	9.57	18/233
PLoS Genetics	9.53	19/233
EMBO JOURNAL	8.99	20/233
CURRENT OPINION IN GENETICS & DEVELOPMENT	8.98	21/233
MOLECULAR & CELLULAR PROTEOMICS	8.79	22/233
TRENDS IN GENETICS	8.68	23/233
CELL DEATH AND DIFFERENTIATION	8.24	24/233
CELL RESEARCH	8.15	25/233
AGING CELL	7.55	26/233
HUMAN MOLECULAR GENETICS	7.38	27/233
DEVELOPMENT	7.19	28/233
MUTATION RESEARCH-REVIEWS IN MUTATION RESEARCH	7.09	29/233
EMBO REPORTS	6.9	30/233
HUMAN MUTATION	6.88	31/233
GENOME BIOLOGY	6.62	32/233
CYTOKINE & GROWTH FACTOR REVIEWS	6.48	33/233
SEMINARS IN CELL & DEVELOPMENTAL BIOLOGY	6.34	34/233
JOURNAL OF CELL SCIENCE	6.14	35/233
INTERNATIONAL REVIEW OF CYTOLOGY-A SURVEY OF CELL BIOLOGY	6.08	36/233
MOLECULAR AND CELLULAR BIOLOGY	6.05	37/233
MOLECULAR BIOLOGY OF THE CELL	5.97	38/233
PROGRESS IN HISTOCHEMISTRY AND CYTOCHEMISTRY	5.9	39/233
STRUCTURE	5.9	39/233
CURRENT TOPICS IN DEVELOPMENTAL BIOLOGY	5.75	41/233
RNA Biology	5.55	42/233
JOURNAL OF PROTEOME RESEARCH	5.13	43/233
CHROMOSOMA	4.97	44/233
DNA RESEARCH	4.91	45/233
CURRENT GENE THERAPY	4.85	46/233
GENE THERAPY	4.74	47/233
Epigenetics	4.58	48/233

CURRENT ISSUES IN MOLECULAR BIOLOGY	4.58	48/233
JOURNAL OF CELLULAR PHYSIOLOGY	4.58	48/233
TISSUE ENGINEERING	4.58	48/233
AMERICAN JOURNAL OF MEDICAL GENETICS PART C- SEMINARS IN MEDICAL GENETICS	4.56	52/233
HUMAN GENETICS	4.52	53/233
PROTEOMICS	4.42	54/233
Brain Structure & Function	4.41	55/233
DEVELOPMENTAL BIOLOGY	4.37	56/233
BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH	4.37	56/233
Pigment Cell & Melanoma Research	4.34	58/233

Year – 2010

Journal	Impact Factor	Ranking
NATURE REVIEWS MOLECULAR CELL BIOLOGY	38.65	1/255
NATURE GENETICS	36.37	2/255
NATURE REVIEWS GENETICS	32.74	3/255
CELL	32.4	4/255
Annual Review of Genetics	21.77	5/255
NATURE CELL BIOLOGY	19.4	6/255
Cell Metabolism	18.2	7/255
Annual Review of Genomics and Human Genetics	17.18	8/255
MOLECULAR CELL	14.19	9/255
Annual Review of Cell and Developmental Biology	14.07	10/255
DEVELOPMENTAL CELL	13.94	11/255
GENOME RESEARCH	13.58	12/255
CURRENT OPINION IN CELL BIOLOGY	13.54	13/255
Journal of Molecular Cell Biology	13.4	14/255
GENES & DEVELOPMENT	12.88	15/255
TRENDS IN CELL BIOLOGY	12.14	16/255
AMERICAN JOURNAL OF HUMAN GENETICS	11.68	17/255
TRENDS IN GENETICS	11.36	18/255
EMBO JOURNAL	10.12	19/255
JOURNAL OF CELL BIOLOGY	9.92	20/255
Molecular Systems Biology	9.66	21/255
PLoS Genetics	9.54	22/255
CELL RESEARCH	9.41	23/255
CURRENT OPINION IN GENETICS & DEVELOPMENT	9.38	24/255
CELL DEATH AND DIFFERENTIATION	9.05	25/255
INTERNATIONAL REVIEW OF CYTOLOGY-A SURVEY OF CELL BIOLOGY	9	26/255
MUTATION RESEARCH-REVIEWS IN MUTATION RESEARCH	8.74	27/255
MOLECULAR & CELLULAR PROTEOMICS	8.35	28/255

CYTOKINE & GROWTH FACTOR REVIEWS	8.23	29/255
HUMAN MOLECULAR GENETICS	8.05	30/255
EMBO REPORTS	7.82	31/255
AGING CELL	7.14	32/255
DEVELOPMENT	6.89	33/255
GENOME BIOLOGY	6.88	34/255
Science Signaling	6.35	35/255
STRUCTURE	6.33	36/255
JOURNAL OF CELL SCIENCE	6.29	37/255
MOLECULAR AND CELLULAR BIOLOGY	6.18	38/255
HUMAN MUTATION	5.95	39/255
SEMINARS IN CELL & DEVELOPMENTAL BIOLOGY	5.9	40/255
Current Topics in Developmental Biology	5.89	41/255
MOLECULAR BIOLOGY OF THE CELL	5.86	42/255
RNA Biology	5.59	43/255
JOURNAL OF PROTEOME RESEARCH	5.46	44/255
Journal of Proteomics	5.07	45/255
HUMAN GENETICS	5.04	46/255
CELL CYCLE	4.99	47/255
Brain Structure & Function	4.98	48/255
International Review of Cell and Molecular Biology	4.95	49/255
CURRENT GENE THERAPY	4.9	50/255
BIOLOGY OF THE CELL	4.89	51/255
MECHANISMS OF AGEING AND DEVELOPMENT	4.85	52/255
HUMAN GENE THERAPY	4.82	53/255
PROTEOMICS	4.81	54/255
PROGRESS IN HISTOCHEMISTRY AND CYTOCHEMISTRY	4.8	55/255
Pigment Cell & Melanoma Research	4.75	56/255
DNA RESEARCH	4.75	56/255
Epigenetics & Chromatin	4.73	58/255
BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH	4.73	58/255
HISTOCHEMISTRY AND CELL BIOLOGY	4.72	60/255
TISSUE ENGINEERING	4.63	61/255
Epigenetics	4.62	62/255
HEREDITY	4.56	63/255

Year – 2011

Journal	Impact Factor	Ranking
NATURE REVIEWS MOLECULAR CELL BIOLOGY	39.12	1/259
NATURE REVIEWS GENETICS	38.07	2/259
NATURE GENETICS	35.53	3/259
CELL	32.4	4/259
Annual Review of Genetics	22.23	5/259
NATURE CELL BIOLOGY	19.48	6/259

Annual Review of Cell and Developmental Biology	15.83	7/259
Annual Review of Genomics and Human Genetics	14.82	8/259
MOLECULAR CELL	14.17	9/259
DEVELOPMENTAL CELL	14.03	10/259
Cell Metabolism	13.66	11/259
GENOME RESEARCH	13.6	12/259
CURRENT OPINION IN CELL BIOLOGY	12.89	13/259
TRENDS IN CELL BIOLOGY	12.35	14/259
GENES & DEVELOPMENT	11.65	15/259
AMERICAN JOURNAL OF HUMAN GENETICS	10.6	16/259
JOURNAL OF CELL BIOLOGY	10.26	17/259
TRENDS IN GENETICS	10.06	18/259
EMBO JOURNAL	9.2	19/259
GENOME BIOLOGY	9.03	20/259
CELL DEATH AND DIFFERENTIATION	8.84	21/259
PLoS Genetics	8.69	22/259
Molecular Systems Biology	8.62	23/259
CELL RESEARCH	8.19	24/259
CURRENT OPINION IN GENETICS & DEVELOPMENT	8.08	25/259
CYTOKINE & GROWTH FACTOR REVIEWS	7.81	26/259
Science Translational Medicine	7.8	27/259
Journal of Molecular Cell Biology	7.66	28/259
HUMAN MOLECULAR GENETICS	7.63	29/259
Science Signaling	7.49	30/259
MOLECULAR & CELLULAR PROTEOMICS	7.39	31/259
EMBO REPORTS	7.35	32/259
SEMINARS IN CELL & DEVELOPMENTAL BIOLOGY	6.64	33/259
DEVELOPMENT	6.59	34/259
MUTATION RESEARCH-REVIEWS IN MUTATION RESEARCH	6.46	35/259
STRUCTURE	6.34	36/259
AGING CELL	6.26	37/259
JOURNAL OF CELL SCIENCE	6.11	38/259
Circulation-Cardiovascular Genetics	6.1	39/259
Current Topics in Developmental Biology	6	40/259
HUMAN MUTATION	5.68	41/259
Brain Structure & Function	5.62	42/259
BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH	5.53	43/259
MOLECULAR AND CELLULAR BIOLOGY	5.52	44/259
Cell Communication and Signaling	5.5	45/259
CELL CYCLE	5.35	46/259
Cell Death & Disease	5.33	47/259
DNA RESEARCH	5.16	48/259
Aging-US	5.12	49/259
JOURNAL OF PROTEOME RESEARCH	5.11	50/259

Molecular Oncology	5.08	51/259
HUMAN GENETICS	5.06	52/259
Pigment Cell & Melanoma Research	5.05	53/259
MOLECULAR BIOLOGY OF THE CELL	4.94	54/259
RNA Biology	4.93	55/259
Journal of Proteomics	4.87	56/259
APOPTOSIS	4.78	57/259
Genome Biology and Evolution	4.61	58/259
HEREDITY	4.59	59/259
PROTEOMICS	4.5	60/259
International Review of Cell and Molecular Biology	4.48	61/259
Epigenetics & Chromatin	4.46	62/259
Biochimica et Biophysica Acta-Gene Regulatory Mechanisms	4.4	63/259
EUROPEAN JOURNAL OF HUMAN GENETICS	4.4	63/259