

M Angela Nieto

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

36,104
citations

19636

61
h-index

24961

109
g-index

141
all docs

141
docs citations

141
times ranked

36318
citing authors

#	ARTICLE	IF	CITATIONS
1	Epithelial-Mesenchymal Transitions in Development and Disease. <i>Cell</i> , 2009, 139, 871-890.	13.5	8,592
2	EMT: 2016. <i>Cell</i> , 2016, 166, 21-45.	13.5	3,573
3	The transcription factor Snail controls epithelial-mesenchymal transitions by repressing E-cadherin expression. <i>Nature Cell Biology</i> , 2000, 2, 76-83.	4.6	3,208
4	The snail superfamily of zinc-finger transcription factors. <i>Nature Reviews Molecular Cell Biology</i> , 2002, 3, 155-166.	16.1	1,557
5	Guidelines and definitions for research on epithelial-mesenchymal transition. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 341-352.	16.1	1,195
6	The Snail genes as inducers of cell movement and survival: implications in development and cancer. <i>Development (Cambridge)</i> , 2005, 132, 3151-3161.	1.2	1,194
7	Rac1b and reactive oxygen species mediate MMP-3-induced EMT and genomic instability. <i>Nature</i> , 2005, 436, 123-127.	13.7	1,159
8	Epithelial-mesenchymal transitions: the importance of changing cell state in development and disease. <i>Journal of Clinical Investigation</i> , 2009, 119, 1438-1449.	3.9	1,155
9	Metastatic Colonization Requires the Repression of the Epithelial-Mesenchymal Transition Inducer Prrx1. <i>Cancer Cell</i> , 2012, 22, 709-724.	7.7	832
10	Epithelial Plasticity: A Common Theme in Embryonic and Cancer Cells. <i>Science</i> , 2013, 342, 1234850.	6.0	821
11	Snail blocks the cell cycle and confers resistance to cell death. <i>Genes and Development</i> , 2004, 18, 1131-1143.	2.7	738
12	Control of cell behavior during vertebrate development by Slug, a zinc finger gene. <i>Science</i> , 1994, 264, 835-839.	6.0	717
13	The Ins and Outs of the Epithelial to Mesenchymal Transition in Health and Disease. <i>Annual Review of Cell and Developmental Biology</i> , 2011, 27, 347-376.	4.0	647
14	Snail1-induced partial epithelial-to-mesenchymal transition drives renal fibrosis in mice and can be targeted to reverse established disease. <i>Nature Medicine</i> , 2015, 21, 989-997.	15.2	612
15	Inflammation and EMT: an alliance towards organ fibrosis and cancer progression. <i>EMBO Molecular Medicine</i> , 2009, 1, 303-314.	3.3	557
16	Correlation of Snail expression with histological grade and lymph node status in breast carcinomas. <i>Oncogene</i> , 2002, 21, 3241-3246.	2.6	522
17	Chapter 11 In Situ Hybridization Analysis of Chick Embryos in Whole Mount and Tissue Sections. <i>Methods in Cell Biology</i> , 1996, 51, 219-235.	0.5	446
18	A molecular role for lysyl oxidase-like 2 enzyme in Snail regulation and tumor progression. <i>EMBO Journal</i> , 2005, 24, 3446-3458.	3.5	409

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19	A New Role for E12/E47 in the Repression of E-cadherin Expression and Epithelial-Mesenchymal Transitions. <i>Journal of Biological Chemistry</i> , 2001, 276, 27424-27431.	1.6	395
20	Snail activation disrupts tissue homeostasis and induces fibrosis in the adult kidney. <i>EMBO Journal</i> , 2006, 25, 5603-5613.	3.5	294
21	Upholding a role for EMT in breast cancer metastasis. <i>Nature</i> , 2017, 547, E1-E3.	13.7	266
22	The epithelial-mesenchymal transition under control: Global programs to regulate epithelial plasticity. <i>Seminars in Cancer Biology</i> , 2012, 22, 361-368.	4.3	244
23	Upholding a role for EMT in pancreatic cancer metastasis. <i>Nature</i> , 2017, 547, E7-E8.	13.7	203
24	Epithelial-Mesenchymal Transitions in development and disease: old views and new perspectives. <i>International Journal of Developmental Biology</i> , 2009, 53, 1541-1547.	0.3	197
25	Snail precedes Slug in the genetic cascade required for the specification and migration of the <i>Xenopus</i> neural crest. <i>Development (Cambridge)</i> , 2003, 130, 483-494.	1.2	194
26	GluR5 and GluR6 Kainate Receptor Subunits Coexist in Hippocampal Neurons and Coassemble to Form Functional Receptors. <i>Journal of Neuroscience</i> , 2000, 20, 196-205.	1.7	179
27	Overexpression of Snail family members highlights their ability to promote chick neural crest formation. <i>Development (Cambridge)</i> , 2002, 129, 1583-1593.	1.2	177
28	The epithelial mesenchymal transition confers resistance to the apoptotic effects of transforming growth factor Beta in fetal rat hepatocytes. <i>Molecular Cancer Research</i> , 2002, 1, 68-78.	1.5	172
29	Growth factors as survival factors: Regulation of apoptosis. <i>BioEssays</i> , 1994, 16, 133-138.	1.2	168
30	Snail and E47 repressors of E-cadherin induce distinct invasive and angiogenic properties in vivo. <i>Journal of Cell Science</i> , 2004, 117, 2827-2839.	1.2	151
31	Several receptor tyrosine kinase genes of the Eph family are segmentally expressed in the developing hindbrain. <i>Mechanisms of Development</i> , 1994, 47, 3-17.	1.7	142
32	Induction of ectopic engrailed expression and fate change in avian rhombomeres: intersegmental boundaries as barriers. <i>Mechanisms of Development</i> , 1995, 51, 289-303.	1.7	140
33	Ribosome biogenesis during cell cycle arrest fuels EMT in development and disease. <i>Nature Communications</i> , 2019, 10, 2110.	5.8	139
34	Cell movements during vertebrate development: integrated tissue behaviour versus individual cell migration. <i>Current Opinion in Genetics and Development</i> , 2001, 11, 464-469.	1.5	136
35	Snail1 suppresses TGF- β -induced apoptosis and is sufficient to trigger EMT in hepatocytes. <i>Journal of Cell Science</i> , 2010, 123, 3467-3477.	1.2	134
36	Progressive Spatial Restriction of <i>Sek-1</i> and <i>Krox-20</i> Gene Expression during Hindbrain Segmentation. <i>Developmental Biology</i> , 1996, 173, 26-38.	0.9	117

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37	Chapter 9 In Situ Hybridization Analysis of Chick Embryos in Whole-mount and Tissue Sections. <i>Methods in Cell Biology</i> , 2008, 87, 169-185.	0.5	117
38	The early steps of neural crest development. <i>Mechanisms of Development</i> , 2001, 105, 27-35.	1.7	113
39	The class I bHLH factors E2-2A and E2-2B regulate EMT. <i>Journal of Cell Science</i> , 2009, 122, 1014-1024.	1.2	110
40	Snail family members and cell survival in physiological and pathological cleft palates. <i>Developmental Biology</i> , 2004, 265, 207-218.	0.9	107
41	In primary airway epithelial cells, the unjamming transition is distinct from the epithelial-to-mesenchymal transition. <i>Nature Communications</i> , 2020, 11, 5053.	5.8	107
42	Modularity and reshuffling of Snail and Slug expression during vertebrate evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 16841-16846.	3.3	106
43	The physiology and pathology of the EMT. <i>EMBO Reports</i> , 2008, 9, 322-326.	2.0	101
44	Non-coding RNAs take centre stage in epithelial-to-mesenchymal transition. <i>Trends in Cell Biology</i> , 2008, 18, 357-359.	3.6	101
45	Lats2 kinase potentiates Snail1 activity by promoting nuclear retention upon phosphorylation. <i>EMBO Journal</i> , 2012, 31, 29-43.	3.5	101
46	The increasing complexity of the Snail gene superfamily in metazoan evolution. <i>Trends in Genetics</i> , 2001, 17, 178-181.	2.9	100
47	Snail1 Is a Transcriptional Effector of FGFR3 Signaling during Chondrogenesis and Achondroplasias. <i>Developmental Cell</i> , 2007, 13, 872-883.	3.1	97
48	A gene regulatory network to control EMT programs in development and disease. <i>Nature Communications</i> , 2019, 10, 5115.	5.8	94
49	LSox5 regulates RhoB expression in the neural tube and promotes generation of the neural crest. <i>Development (Cambridge)</i> , 2004, 131, 4455-4465.	1.2	92
50	Reciprocal Repression between Sox3 and Snail Transcription Factors Defines Embryonic Territories at Gastrulation. <i>Developmental Cell</i> , 2011, 21, 546-558.	3.1	89
51	A right-handed signalling pathway drives heart looping in vertebrates. <i>Nature</i> , 2017, 549, 86-90.	13.7	85
52	Role of FGFs in the control of programmed cell death during limb development. <i>Development (Cambridge)</i> , 2001, 128, 2075-2084.	1.2	85
53	Context-specific roles of EMT programmes in cancer cell dissemination. <i>Nature Cell Biology</i> , 2017, 19, 416-418.	4.6	80
54	Neural Induction in Whole Chick Embryo Cultures by FGF. <i>Developmental Biology</i> , 1998, 199, 42-54.	0.9	71

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55	Attenuation of Notch signalling by the Down-syndrome-associated kinase DYRK1A. <i>Journal of Cell Science</i> , 2009, 122, 1574-1583.	1.2	70
56	Genetic Fate Mapping of Transient Cell Fate Reveals N-Cadherin Activity and Function in Tumor Metastasis. <i>Developmental Cell</i> , 2020, 54, 593-607.e5.	3.1	70
57	Snail1a and Snail1b cooperate in the anterior migration of the axial mesendoderm in the zebrafish embryo. <i>Development (Cambridge)</i> , 2007, 134, 4073-4081.	1.2	68
58	Evolutionary history of the Snail/Scratch superfamily. <i>Trends in Genetics</i> , 2009, 25, 248-252.	2.9	64
59	Overexpression of Snail family members highlights their ability to promote chick neural crest formation. <i>Development (Cambridge)</i> , 2002, 129, 1583-93.	1.2	64
60	How to become neural crest: From segregation to delamination. <i>Seminars in Cell and Developmental Biology</i> , 2005, 16, 655-662.	2.3	63
61	Apoptosis in human thymocytes after treatment with glucocorticoids. <i>Clinical and Experimental Immunology</i> , 2008, 88, 341-344.	1.1	62
62	Ectopic expression of Cvh (Chicken Vasa homologue) mediates the reprogramming of chicken embryonic stem cells to a germ cell fate. <i>Developmental Biology</i> , 2009, 330, 73-82.	0.9	62
63	Snail1 controls bone mass by regulating Runx2 and VDR expression during osteoblast differentiation. <i>EMBO Journal</i> , 2009, 28, 686-696.	3.5	58
64	Deletion of H-Ras decreases renal fibrosis and myofibroblast activation following ureteral obstruction in mice. <i>Kidney International</i> , 2010, 77, 509-518.	2.6	56
65	Molecular Biology of Axon Guidance. <i>Neuron</i> , 1996, 17, 1039-1048.	3.8	55
66	Characterization of Snail nuclear import pathways as representatives of C2H2 zinc finger transcription factors. <i>Journal of Cell Science</i> , 2009, 122, 1452-1460.	1.2	54
67	Relative expression of Slug, RhoB, and HNK-1 in the cranial neural crest of the early chicken embryo. <i>Developmental Dynamics</i> , 2004, 229, 136-139.	0.8	48
68	Reactivation of Snail Genes in Renal Fibrosis and Carcinomas: A Process of Reversed Embryogenesis?. <i>Cell Cycle</i> , 2007, 6, 638-642.	1.3	45
69	The expression of chick EphA7 during segmentation of the central and peripheral nervous system. <i>Mechanisms of Development</i> , 1997, 68, 173-177.	1.7	39
70	Molecular Mechanisms Controlling the Migration of Striatal Interneurons. <i>Journal of Neuroscience</i> , 2015, 35, 8718-8729.	1.7	39
71	Novel Expression Gradients of Eph-like Receptor Tyrosine Kinases in the Developing Chick Retina. <i>Developmental Biology</i> , 1997, 188, 363-368.	0.9	34
72	Differential Expression of Eph Receptors and Ephrins Correlates with the Formation of Topographic Projections in Primary and Secondary Visual Circuits of the Embryonic Chick Forebrain. <i>Developmental Biology</i> , 2001, 234, 289-303.	0.9	34

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73	Review of the recently defined molecular mechanisms underlying thanatophoric dysplasia and their potential therapeutic implications for achondroplasia. American Journal of Medical Genetics, Part A, 2010, 152A, 245-255.	0.7	34
74	A Celebration of the New Head and an Evaluation of the New Mouth. Neuron, 2003, 37, 895-898.	3.8	32
75	Snail genes at the crossroads of symmetric and asymmetric processes in the developing mesoderm. EMBO Reports, 2007, 8, 104-109.	2.0	28
76	Biological Potential of a Functional Human SNAIL Retrogene. Journal of Biological Chemistry, 2002, 277, 38803-38809.	1.6	27
77	Epithelial plasticity, stemness and pluripotency. Cell Research, 2010, 20, 1086-1088.	5.7	26
78	The expression of Scratch genes in the developing and adult brain. Developmental Dynamics, 2006, 235, 2586-2591.	0.8	24
79	Scratch2 Prevents Cell Cycle Re-Entry by Repressing miR-25 in Postmitotic Primary Neurons. Journal of Neuroscience, 2013, 33, 5095-5105.	1.7	23
80	Expression of chickenslug and snail in mesenchymal components of the developing central nervous system. Developmental Dynamics, 2004, 230, 144-148.	0.8	22
81	eEF1A Mediates the Nuclear Export of SNAG-Containing Proteins via the Exportin5-Aminoacyl-tRNA Complex. Cell Reports, 2013, 5, 727-737.	2.9	22
82	Repression of Puma by Scratch2 is required for neuronal survival during embryonic development. Cell Death and Differentiation, 2011, 18, 1196-1207.	5.0	20
83	Multiple roles of Eph-like kinases and their ligands during development. Cell and Tissue Research, 1997, 290, 243-250.	1.5	19
84	Snail3 orthologues in vertebrates: divergent members of the Snail zinc-finger gene family. Development Genes and Evolution, 2004, 214, 47-53.	0.4	16
85	<i>Snail2</i> and <i>Zeb2</i> repress <i>P-Cadherin</i> to define embryonic territories in the chick embryo. Development (Cambridge), 2017, 144, 649-656.	1.2	16
86	MicroRNAs Establish the Right-Handed Dominance of the Heart Laterality Pathway in Vertebrates. Developmental Cell, 2019, 51, 446-459.e5.	3.1	15
87	The Evolutionary History of Ephs and Ephrins: Toward Multicellular Organisms. Molecular Biology and Evolution, 2020, 37, 379-394.	3.5	13
88	Expression of EphA receptors and ligands during chick cerebellar development. Mechanisms of Development, 2002, 114, 225-229.	1.7	12
89	A new regulatory loop in cancer-cell invasion. EMBO Reports, 2008, 9, 521-522.	2.0	11
90	Thanatophoric dysplasia type II with encephalocele and semilobar holoprosencephaly: Insights into its pathogenesis. American Journal of Medical Genetics, Part A, 2011, 155, 197-202.	0.7	10

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91	Identification of p53-target genes in <i>Danio rerio</i> . <i>Scientific Reports</i> , 2016, 6, 32474.	1.6	10
92	Evolution of the Neural Crest. , 2006, 589, 235-244.		10
93	The endogenous retrovirus ENS-1 provides active binding sites for transcription factors in embryonic stem cells that specify extra embryonic tissue. <i>Retrovirology</i> , 2012, 9, 21.	0.9	9
94	Glucose Metabolism Takes Center Stage in Epithelial-Mesenchymal Plasticity. <i>Developmental Cell</i> , 2020, 53, 133-135.	3.1	9
95	Mutual exclusion of transcription factors and cell behaviour in the definition of vertebrate embryonic territories. <i>Current Opinion in Genetics and Development</i> , 2012, 22, 308-314.	1.5	5
96	A snail tale and the chicken embryo. <i>International Journal of Developmental Biology</i> , 2018, 62, 121-126.	0.3	5
97	Reply to: Zebrafish <i>prx1a</i> mutants have normal hearts. <i>Nature</i> , 2020, 585, E17-E19.	13.7	5
98	An Epigenetic Mark that Protects the Epithelial Phenotype in Health and Disease. <i>Cell Stem Cell</i> , 2011, 8, 462-463.	5.2	4
99	50+ shades of EMT in 20 years of embryo-cancer bonding. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 563-563.	16.1	4
100	Gα _s protein-coupled receptor kinase 2 safeguards epithelial phenotype in head and neck squamous cell carcinomas. <i>International Journal of Cancer</i> , 2020, 147, 218-229.	2.3	2
101	Proliferation and EMT trigger heart repair. <i>Nature Cell Biology</i> , 2020, 22, 1291-1292.	4.6	2
102	Are You Interested or Afraid of Working on EMT?. <i>Methods in Molecular Biology</i> , 2021, 2179, 19-28.	0.4	2
103	Antifibrotic drugs as therapeutic tools in resistant melanoma. <i>EMBO Molecular Medicine</i> , 2022, 14, e15449.	3.3	2
104	13-P126 scratch2 antagonizes p53-mediated apoptosis in the zebrafish spinal cord. <i>Mechanisms of Development</i> , 2009, 126, S233.	1.7	1
105	Riding the right wave: would the real neural crest please stand up?. <i>Evolution & Development</i> , 2008, 10, 509-510.	1.1	0
106	Snail Transcription Factors. , 2008, , 2770-2772.		0
107	Snail Transcription Factors. , 2014, , 4274-4279.		0