Jessica Giordano

List of Publications by Year
in descending order

136 papers	15,380 citations	13865 67 h-index	17105 122 g-index
140 all docs	140 docs citations	140 times ranked	18087 citing authors

#	Article	IF	Citations
1	Hypoxia promotes invasive growth by transcriptional activation of the met protooncogene. Cancer Cell, 2003, 3, 347-361.	16.8	1,244
2	A multifunctional docking site mediates signaling and transformation by the hepatocyte growth factor/scatter factor receptor family. Cell, 1994, 77, 261-271.	28.9	980
3	Drug development of MET inhibitors: targeting oncogene addiction and expedience. Nature Reviews Drug Discovery, 2008, 7, 504-516.	46.4	737
4	Amplification of the <i>MET</i> Receptor Drives Resistance to Anti-EGFR Therapies in Colorectal Cancer. Cancer Discovery, 2013, 3, 658-673.	9.4	585
5	The Dual Roles of NRF2 in Cancer. Trends in Molecular Medicine, 2016, 22, 578-593.	6.7	508
6	Tyrosine kinase receptor indistinguishable from the c-met protein. Nature, 1989, 339, 155-156.	27.8	465
7	The endophilinâ€“CIN85â€“Cbl complex mediates ligand-dependent downregulation of c-Met. Nature, 2002, 416, 187-190.	27.8	424
8	From Single- to Multi-Target Drugs in Cancer Therapy: When Aspecificity Becomes an Advantage. Current Medicinal Chemistry, 2008, 15, 422-432.	2.4	393
9	The Semaphorin 4D receptor controls invasive growth by coupling with Met. Nature Cell Biology, 2002, 4, 720-724.	10.3	391
10	Cell Motility Is Controlled by SF2/ASF through Alternative Splicing of the Ron Protooncogene. Molecular Cell, 2005, 20, 881-890.	9.7	339
11	MicroRNAs: New tools for diagnosis, prognosis, and therapy in hepatocellular carcinoma?. Hepatology, 2013, 57, 840-847.	7.3	320
12	Negative receptor signalling. Current Opinion in Cell Biology, 2003, 15, 128-135.	5.4	316
13	Somatic mutations of the MET oncogene are selected during metastatic spread of human HNSC carcinomas. Oncogene, 2000, 19, 1547-1555.	5.9	314
14	Tumor angiogenesis and progression are enhanced by Sema4D produced by tumor-associated macrophages. Journal of Experimental Medicine, 2008, 205, 1673-1685.	8.5	233
15	Sema4D induces angiogenesis through Met recruitment by Plexin B1. Blood, 2005, 105, 4321-4329.	1.4	226
16	Cancer therapy: can the challenge be MET?. Trends in Molecular Medicine, 2005, 11, 284-292.	6.7	218
17	Tumorigenic and Metastatic Activity of Human Thyroid Cancer Stem Cells. Cancer Research, 2010, 70, 8874-8885.	0.9	197
18	Molecular mechanisms of acquired resistance to tyrosine kinase targeted therapy. Molecular Cancer, 2010, 9, 75.	19.2	197

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19	YAP activation is an early event and a potential therapeutic target in liver cancer development. Journal of Hepatology, 2014, 61, 1088-1096.	3.7	191
20	Increased Lactate Secretion by Cancer Cells Sustains Non-cell-autonomous Adaptive Resistance to MET and EGFR Targeted Therapies. Cell Metabolism, 2018, 28, 848-865.e6.	16.2	184
21	MicroRNAs Impair MET-Mediated Invasive Growth. Cancer Research, 2008, 68, 10128-10136.	0.9	168
22	C-terminal truncated forms of Met, the hepatocyte growth factor receptor.. Molecular and Cellular Biology, 1991, 11, 5954-5962.	2.3	165
23	A Natural Hepatocyte Growth Factor/Scatter Factor Autocrine Loop in Myoblast Cells and the Effect of the Constitutive Met Kinase Activation on Myogenic Differentiation. Journal of Cell Biology, 1997, 137, 1057-1068.	5.2	165
24	Interplay between scatter factor receptors and B plexins controls invasive growth. Oncogene, 2004, 23, 5131-5137.	5.9	164
25	<i>MET</i> and <i>KRAS</i> Gene Amplification Mediates Acquired Resistance to MET Tyrosine Kinase Inhibitors. Cancer Research, 2010, 70, 7580-7590.	0.9	164
26	Transgenic expression in the liver of truncated Met blocks apoptosis and permits immortalization of hepatocytes. EMBO Journal, 1997, 16, 495-503.	7.8	156
27	Sustained recruitment of phospholipase C-Î³ to Gab1 is required for HGF-induced branching tubulogenesis. Oncogene, 2000, 19, 1509-1518.	5.9	154
28	Transfer of motogenic and invasive response to scatter factor/hepatocyte growth factor by transfection of human MET protooncogene.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 649-653.	7.1	152
29	Met as a therapeutic target in HCC: Facts and hopes. Journal of Hepatology, 2014, 60, 442-452.	3.7	150
30	Ab-induced ectodomain shedding mediates hepatocyte growth factor receptor down-regulation and hampers biological activity. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5090-5095.	7.1	147
31	HIF-1Î± stabilization by mitochondrial ROS promotes Met-dependent invasive growth and vasculogenic mimicry in melanoma cells. Free Radical Biology and Medicine, 2011, 51, 893-904.	2.9	146
32	Specific Uncoupling of GRB2 from the Met Receptor. Journal of Biological Chemistry, 1996, 271, 14119-14123.	3.4	141
33	Mutant Met-mediated transformation is ligand-dependent and can be inhibited by HGF antagonists. Oncogene, 1999, 18, 5221-5231.	5.9	139
34	CD100/Plexin-B1 interactions sustain proliferation and survival of normal and leukemic CD5+ B lymphocytes. Blood, 2003, 101, 1962-1969.	1.4	139
35	Hepatocyte growth factor and its receptor are required for malaria infection. Nature Medicine, 2003, 9, 1363-1369.	30.7	133
36	Plexinâ€B3 is a functional receptor for semaphorin 5A. EMBO Reports, 2004, 5, 710-714.	4.5	132

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37	Defective ubiquitinylation of EGFR mutants of lung cancer confers prolonged signaling. Oncogene, 2007, 26, 6968-6978.	5.9	131
38	Hepatocyte Growth Factor Is a Regulator of Monocyte-Macrophage Function. Journal of Immunology, 2001, 166, 1241-1247.	0.8	129
39	Silencing the MET oncogene leads to regression of experimental tumors and metastases. Oncogene, 2008, 27, 684-693.	5.9	126
40	Pro-metastatic signaling by c-Met through RAC-1 and reactive oxygen species (ROS). Oncogene, 2006, 25, 3689-3698.	5.9	125
41	MET Overexpression Turns Human Primary Osteoblasts into Osteosarcomas. Cancer Research, 2006, 66, 4750-4757.	0.9	123
42	Conservation of copy number profiles during engraftment and passaging of patient-derived cancer xenografts. Nature Genetics, 2021, 53, 86-99.	21.4	118
43	MiR-1 Downregulation Cooperates with MACC1 in Promoting <i>MET</i> Overexpression in Human Colon Cancer. Clinical Cancer Research, 2012, 18, 737-747.	7.0	116
44	Enhanced c-Met activity promotes G-CSFâ€“induced mobilization of hematopoietic progenitor cells via ROS signaling. Blood, 2011, 117, 419-428.	1.4	114
45	TGFÎ± expression impairs Trastuzumab-induced HER2 downregulation. Oncogene, 2005, 24, 3002-3010.	5.9	113
46	Molecular cancer therapy: Can our expectation be MET?. European Journal of Cancer, 2008, 44, 641-651.	2.8	113
47	Reactive Oxygen Species Mediate Met Receptor Transactivation by G Protein-coupled Receptors and the Epidermal Growth Factor Receptor in Human Carcinoma Cells. Journal of Biological Chemistry, 2004, 279, 28970-28978.	3.4	108
48	MicroRNA/gene profiling unveils early molecular changes and nuclear factor erythroid related factor 2 (NRF2) activation in a rat model recapitulating human hepatocellular carcinoma (HCC). Hepatology, 2014, 59, 228-241.	7.3	107
49	HGF/MET signalling protects Plasmodium-infected host cells from apoptosis. Cellular Microbiology, 2005, 7, 603-609.	2.1	100
50	Targeted therapies for gastric cancer: failures and hopes from clinical trials. Oncotarget, 2017, 8, 57654-57669.	1.8	99
51	Uncoupling signal transducers from oncogenic MET mutants abrogates cell transformation and inhibits invasive growth. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 14379-14383.	7.1	96
52	Activation of HER family members in gastric carcinoma cells mediates resistance to MET inhibition. Molecular Cancer, 2010, 9, 121.	19.2	95
53	Semaphorin 4D regulates gonadotropin hormoneâ€“releasing hormone-1 neuronal migration through PlexinB1â€“Met complex. Journal of Cell Biology, 2008, 183, 555-566.	5.2	92
54	Down-Regulation of the Met Receptor Tyrosine Kinase by Presenilin-dependent Regulated Intramembrane Proteolysis. Molecular Biology of the Cell, 2009, 20, 2495-2507.	2.1	92

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55	A point mutation in the MET oncogene abrogates metastasis without affecting transformation. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 13868-13872.	7.1	90
56	Microsatellite instability in Gastric Cancer: Between lights and shadows. Cancer Treatment Reviews, 2021, 95, 102175.	7.7	88
57	Only a Subset of Met-Activated Pathways Are Required to Sustain Oncogene Addiction. Science Signaling, 2009, 2, ra80.	3.6	84
58	Cell-Autonomous and Nonâ€“Cell-Autonomous Mechanisms of HGF/METâ€“Driven Resistance to Targeted Therapies: From Basic Research to a Clinical Perspective. Cancer Discovery, 2013, 3, 978-992.	9.4	84
59	Metabolic reprogramming identifies the most aggressive lesions at early phases of hepatic carcinogenesis. Oncotarget, 2016, 7, 32375-32393.	1.8	83
60	Nrf2, but not Î²â€catenin, mutation represents an early event in rat hepatocarcinogenesis. Hepatology, 2015, 62, 851-862.	7.3	81
61	p145, a protein with associated tyrosine kinase activity in a human gastric carcinoma cell line.. Molecular and Cellular Biology, 1988, 8, 3510-3517.	2.3	78
62	Concomitant activation of pathways downstream of Grb2 and PI 3-kinase is required for MET-mediated metastasis. Oncogene, 1999, 18, 1139-1146.	5.9	77
63	YAP-Dependent AXL Overexpression Mediates Resistance to EGFR Inhibitors in NSCLC. Neoplasia, 2017, 19, 1012-1021.	5.3	77
64	Biomarkers of Primary Resistance to Trastuzumab in HER2-Positive Metastatic Gastric Cancer Patients: the AMNESIA Case-Control Study. Clinical Cancer Research, 2018, 24, 1082-1089.	7.0	76
65	Activation of RAS family members confers resistance to ROS1 targeting drugs. Oncotarget, 2015, 6, 5182-5194.	1.8	72
66	Yesâ€associated protein regulation of adaptive liver enlargement and hepatocellular carcinoma development in mice. Hepatology, 2011, 53, 2086-2096.	7.3	71
67	Sequential analysis of multistage hepatocarcinogenesis reveals that miR-100 and PLK1 dysregulation is an early event maintained along tumor progression. Oncogene, 2012, 31, 4517-4526.	5.9	69
68	Karyotypic analysis of gastric carcinoma cell lines carrying an amplified c-met oncogene. Cancer Genetics and Cytogenetics, 1992, 64, 170-173.	1.0	68
69	Defective posttranslational processing activates the tyrosine kinase encoded by the MET proto-oncogene (hepatocyte growth factor receptor).. Molecular and Cellular Biology, 1991, 11, 6084-6092.	2.3	63
70	Local hypothyroidism favors the progression of preneoplastic lesions to hepatocellular carcinoma in rats. Hepatology, 2015, 61, 249-259.	7.3	63
71	A Comprehensive PDX Gastric Cancer Collection Captures Cancer Cellâ€“Intrinsic Transcriptional MSI Traits. Cancer Research, 2019, 79, 5884-5896.	0.9	53
72	How Can Gastric Cancer Molecular Profiling Guide Future Therapies?. Trends in Molecular Medicine, 2016, 22, 534-544.	6.7	50

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73	Neuropilin-1 upregulation elicits adaptive resistance to oncogene-targeted therapies. Journal of Clinical Investigation, 2018, 128, 3976-3990.	8.2	50
74	HER2-positive breast cancer cells resistant to trastuzumab and lapatinib lose reliance upon HER2 and are sensitive to the multitargeted kinase inhibitor sorafenib. Breast Cancer Research and Treatment, 2011, 130, 29-40.	2.5	47
75	MET receptor is overexpressed but not mutated in oral squamous cell carcinomas. Journal of Cellular Physiology, 2001, 189, 285-290.	4.1	46
76	By promoting cell differentiation, miR-100 sensitizes basal-like breast cancer stem cells to hormonal therapy. Oncotarget, 2015, 6, 2315-2330.	1.8	43
77	Gab1 phosphorylation: a novel mechanism for negative regulation of HGF receptor signaling. Oncogene, 2001, 20, 156-166.	5.9	41
78	Targeting MET: why, where and how?. Current Opinion in Pharmacology, 2013, 13, 511-518.	3.5	41
79	Colorectal cancer early methylation alterations affect the crosstalk between cell and surrounding environment, tracing a biomarker signature specific for this tumor. International Journal of Cancer, 2018, 143, 907-920.	5.1	41
80	Thyroid hormone inhibits hepatocellular carcinoma progression via induction of differentiation and metabolic reprogramming. Journal of Hepatology, 2020, 72, 1159-1169.	3.7	38
81	Immunological detection of proteins phosphorylated at tyrosine in cells stimulated by growth factors or transformed by retroviral-oncogene-coded tyrosine kinases. FEBS Journal, 1986, 158, 383-391.	0.2	36
82	Sheddingâ€Generated Met Receptor Fragments can be Routed to Either the Proteasomal or the Lysosomal Degradation Pathway. Traffic, 2012, 13, 1261-1272.	2.7	36
83	Control of invasive growth by the HGF receptor family. Journal of Cellular Physiology, 1997, 173, 183-186.	4.1	35
84	FGFR2 fusion proteins drive oncogenic transformation of mouse liver organoids towards cholangiocarcinoma. Journal of Hepatology, 2021, 75, 351-362.	3.7	35
85	The metabolic gene HAO2 is downregulated in hepatocellular carcinoma and predicts metastasis and poor survival. Journal of Hepatology, 2016, 64, 891-898.	3.7	34
86	Clustered protocadherins methylation alterations in cancer. Clinical Epigenetics, 2019, 11, 100.	4.1	33
87	Resistance to targeted therapies: a role for microRNAs?. Trends in Molecular Medicine, 2013, 19, 633-642.	6.7	31
88	BRAF and MEK Inhibitors Increase PD-1-Positive Melanoma Cells Leading to a Potential Lymphocyte-Independent Synergism with Antiâ€"PD-1 Antibody. Clinical Cancer Research, 2018, 24, 3377-3385.	7.0	31
89	Dual MET/EGFR therapy leads to complete response and resistance prevention in a MET-amplified gastroesophageal xenopatient cohort. Oncogene, 2017, 36, 1200-1210.	5.9	28
90	Human ASH-1 Promotes Neuroendocrine Differentiation in Androgen Deprivation Conditions and Interferes With Androgen Responsiveness in Prostate Cancer Cells. Prostate, 2013, 73, 1241-1249.	2.3	26

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91	Downregulating Neuropilin-2 Triggers a Novel Mechanism Enabling EGFR-Dependent Resistance to Oncogene-Targeted Therapies. Cancer Research, 2018, 78, 1058-1068.	0.9	25
92	Cytokeratin-19 positivity is acquired along cancer progression and does not predict cell origin in rat hepatocarcinogenesis. Oncotarget, 2015, 6, 38749-38763.	1.8	24
93	A Correction to the Research Article Titled: "Only a Subset of Met-Activated Pathways Are Required to Sustain Oncogene Addiction" by A. Bertotti, M. F. Burbridge, S. Gastaldi, F. Galimi, D. Torti, E. Medico, S. Giordano, S. Corso, G. Rolland-Valognes, B. P. Lockhart, J. A. Hickman, P. M. Comoglio, L. Trusolino. Science Signaling, 2009, 2, er11.	3.6	23
94	miRâ€205 mediates adaptive resistance to <scp>MET</scp> inhibition via <scp>ERRFI</scp> 1 targeting and raised <scp>EGFR</scp> signaling. EMBO Molecular Medicine, 2018, 10, .	6.9	23
95	The landscape of d16HER2 splice variant expression across HER2-positive cancers. Scientific Reports, 2019, 9, 3545.	3.3	22
96	A non-dividing cell population with high pyruvate dehydrogenase kinase activity regulates metabolic heterogeneity and tumorigenesis in the intestine. Nature Communications, 2022, 13, 1503.	12.8	22
97	Semaphorin pathways orchestrate osteogenesis. Nature Cell Biology, 2006, 8, 545-547.	10.3	20
98	ErbB2 and bone sialoprotein as markers for metastatic osteosarcoma cells. British Journal of Cancer, 2003, 88, 396-400.	6.4	19
99	Proteins phosphorylated on tyrosine as markers of human tumor cell lines. International Journal of Cancer, 1987, 39, 482-487.	5.1	18
100	C-met activation is necessary but not sufficient for liver colonization by B16 murine melanoma cells. Clinical and Experimental Metastasis, 1998, 16, 253-265.	3.3	18
101	Invasive growth: A two-way street for semaphorin signalling. Nature Cell Biology, 2004, 6, 1155-1157.	10.3	18
102	Clinical Implications of DNA Repair Defects in High-Grade Serous Ovarian Carcinomas. Cancers, 2020, 12, 1315.	3.7	18
103	Rituximab Treatment Prevents Lymphoma Onset in Gastric Cancer Patient-Derived Xenografts. Neoplasia, 2018, 20, 443-455.	5.3	17
104	Expression of functional tyrosine kinases on immortalized Kaposi's sarcoma cells. Journal of Cellular Physiology, 2000, 184, 246-254.	4.1	16
105	Evidence for autocrine activation of a tyrosine kinase in a human gastric carcinoma cell line. Journal of Cellular Biochemistry, 1988, 38, 229-236.	2.6	15
106	Increase of <i>MET</i> gene copy number confers resistance to a monovalent MET antibody and establishes drug dependence. Molecular Oncology, 2014, 8, 1561-1574.	4.6	15
107	Distinct Mechanisms Are Responsible for Nrf2-Keap1 Pathway Activation at Different Stages of Rat Hepatocarcinogenesis. Cancers, 2020, 12, 2305.	3.7	14
108	Patient-Derived Orthotopic Xenograft models in gastric cancer: a systematic review. Updates in Surgery, 2020, 72, 951-966.	2.0	14

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109	Potential role of two novel agonists of thyroid hormone receptorâ€Î² on liver regeneration. Cell Proliferation, 2020, 53, e12808.	5.3	13
110	Immune Check Point Inhibitors in Primary Cutaneous T-Cell Lymphomas: Biologic Rationale, Clinical Results and Future Perspectives. Frontiers in Oncology, 2021, 11, 733770.	2.8	13
111	Nrf2 in Neoplastic and Non-Neoplastic Liver Diseases. Cancers, 2020, 12, 2932.	3.7	12
112	MiRNAs as new master players. Cell Cycle, 2009, 8, 2185-2186.	2.6	11
113	Tyrosine Kinases as Molecular Targets to Inhibit Cancer Progression and Metastasis. Current Pharmaceutical Design, 2010, 16, 1396-1409.	1.9	11
114	Optimized EGFR Blockade Strategies in <i>EGFR</i> Addicted Gastroesophageal Adenocarcinomas. Clinical Cancer Research, 2021, 27, 3126-3140.	7.0	11
115	MiR-100 is a predictor of endocrine responsiveness and prognosis in patients with operable luminal breast cancer. ESMO Open, 2020, 5, e000937.	4.5	10
116	Autocrine Signaling of NRP1 Ligand Galectin-1 Elicits Resistance to BRAF-Targeted Therapy in Melanoma Cells. Cancers, 2020, 12, 2218.	3.7	10
117	Molecularly Targeted Therapies for Gastric Cancer. State of the Art. Cancers, 2021, 13, 4094.	3.7	10
118	Expression of c-jun is not mandatory for mouse hepatocyte proliferation induced by two nuclear receptor ligands: TCPOBOP and T3. Journal of Hepatology, 2011, 55, 1069-1078.	3.7	8
119	Chest wall infiltration is a critical prognostic factor in breast implant-associated anaplastic large-cell lymphoma affected patients. European Journal of Cancer, 2021, 148, 277-286.	2.8	7
120	Differential requirement of the last C-terminal tail of Met receptor for cell transformation and invasiveness. Oncogene, 2001, 20, 5493-5502.	5.9	6
121	Targeted therapies in cancer and mechanisms of resistance. Journal of Molecular Medicine, 2014, 92, 677-679.	3.9	6
122	Personalized therapeutic strategies in HER2-driven gastric cancer. Gastric Cancer, 2021, 24, 897-912.	5.3	6
123	A long term, non-tumorigenic rat hepatocyte cell line and its malignant counterpart, as tools to study hepatocarcinogenesis. Oncotarget, 2017, 8, 15716-15731.	1.8	5
124	hOA-DN30: a highly effective humanized single-arm MET antibody inducing remission of â€˜MET-addictedâ€™ cancers. Journal of Experimental and Clinical Cancer Research, 2022, 41, 112.	8.6	5
125	Targeting Plasmodium host cells: survival within hepatocytes. Trends in Molecular Medicine, 2004, 10, 487-492.	6.7	4
126	Nrf2 Mutation/Activation Is Dispensable for the Development of Chemically Induced Mouse HCC. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 113-127.	4.5	4

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127	Editorial: Metabolism As a Therapeutic Target. Frontiers in Oncology, 2017, 7, 266.	2.8	3
128	A novel strategy for combination of clofarabine and pictilisib is synergistic in gastric cancer. Translational Oncology, 2022, 15, 101260.	3.7	3
129	Diverse MicroRNAsâ€mRNA networks regulate the priming phase of mouse liver regeneration and of direct hyperplasia. Cell Proliferation, 2022, 55, e13199.	5.3	2
130	Reply to: â€œYAP in tumorigenesis: Friend or foe?â€• Journal of Hepatology, 2015, 62, 1445.	3.7	1
131	SÃ©zary Syndrome: Different Erythroderma Morphological Features with Proposal for a Clinical Score System. Cells, 2022, 11, 333.	4.1	1
132	Extensive â€œhalo naeviâ€• phenomenon and regression of melanin during nivolumab treatment in metastatic melanoma: A predictor of a better outcome?. Dermatologic Therapy, 2022, 35, e15559.	1.7	1
133	miRs*: Innocent bystanders only?. Hepatology, 2016, 64, 1424-1426.	7.3	0
134	Detection of Deregulated Tyrosine-Kinases in Experimental and Human Metastatic Tumors. Advances in Experimental Medicine and Biology, 1988, 233, 303-308.	1.6	0
135	Mechanisms of Resistance to Molecular Therapies Targeting the HGF/MET Axis. Resistance To Targeted Anti-cancer Therapeutics, 2018, , 67-87.	0.1	0
136	The Tumor-Specific Expression of L1 Retrotransposons Independently Correlates with Time to Relapse in Hormone-Negative Breast Cancer Patients. Cells, 2022, 11, 1944.	4.1	0