

Ermanno Gherardi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92
papers

11,069
citations

39
h-index

96
g-index

96
ext. papers

11,704
ext. citations

10.1
avg, IF

5.84
L-index

#	Paper	IF	Citations
92	Human Nonalcoholic Steatohepatitis on a Chip. <i>Hepatology Communications</i> , 2021 , 5, 217-233	6	15
91	A Novel HGF/SF Receptor (MET) Agonist Transiently Delays the Disease Progression in an Amyotrophic Lateral Sclerosis Mouse Model by Promoting Neuronal Survival and Dampening the Immune Dysregulation. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
90	Inhibition of the MET Kinase Activity and Cell Growth in MET-Addicted Cancer Cells by Bi-Paratopic Linking. <i>Journal of Molecular Biology</i> , 2019 , 431, 2020-2039	6.5	13
89	Generation and characterization of novel recombinant anti-hERG1 scFv antibodies for cancer molecular imaging. <i>Oncotarget</i> , 2018 , 9, 34972-34989	3.3	11
88	Characterization and structural determination of a new anti-MET function-blocking antibody with binding epitope distinct from the ligand binding domain. <i>Scientific Reports</i> , 2017 , 7, 9000	4.9	7
87	Developing Antagonists for the Met-HGF/SF Protein-Protein Interaction Using a Fragment-Based Approach. <i>Molecular Cancer Therapeutics</i> , 2016 , 15, 3-14	6.1	7
86	Exploring the chemical space of the lysine-binding pocket of the first kringle domain of hepatocyte growth factor/scatter factor (HGF/SF) yields a new class of inhibitors of HGF/SF-MET binding. <i>Chemical Science</i> , 2015 , 6, 6147-6157	9.4	23
85	Crystal structure of an engineered YopM-InlB hybrid protein. <i>BMC Structural Biology</i> , 2014 , 14, 12	2.7	2
84	Engineered variants of InlB with an additional leucine-rich repeat discriminate between physiologically relevant and packing contacts in crystal structures of the InlB:MET complex. <i>Protein Science</i> , 2012 , 21, 1528-39	6.3	6
83	Protein engineered variants of hepatocyte growth factor/scatter factor promote proliferation of primary human hepatocytes and in rodent liver. <i>Gastroenterology</i> , 2012 , 142, 897-906	13.3	24
82	Establishing Mammalian Production Cell Lines for Structural Biology by Site-Specific Recombination 2012 , 265-268		
81	Targeting MET in cancer: rationale and progress. <i>Nature Reviews Cancer</i> , 2012 , 12, 89-103	31.3	1076
80	Non-agonistic bivalent antibodies that promote c-MET degradation and inhibit tumor growth and others specific for tumor related c-MET. <i>PLoS ONE</i> , 2012 , 7, e34658	3.7	26
79	Structural basis for agonism and antagonism of hepatocyte growth factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 13264-9	11.5	63
78	Coupling growth-factor engineering with nanotechnology for therapeutic angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 13608-13	11.5	27
77	Ligand-mediated dimerization of the Met receptor tyrosine kinase by the bacterial invasion protein InlB. <i>Journal of Molecular Biology</i> , 2010 , 395, 522-32	6.5	39
76	Glycoprotein production for structure analysis with stable, glycosylation mutant CHO cell lines established by fluorescence-activated cell sorting. <i>Protein Science</i> , 2010 , 19, 1264-71	6.3	15

75	A novel multipurpose monoclonal antibody for evaluating human c-Met expression in preclinical and clinical settings. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2009 , 17, 57-67	1.9	34
74	Engineered HGF/SF Variants Promote Angiogenesis. <i>FASEB Journal</i> , 2009 , 23, 934.9	0.9	
73	X-ray and neutron small-angle scattering analysis of the complex formed by the Met receptor and the <i>Listeria monocytogenes</i> invasion protein InlB. <i>Journal of Molecular Biology</i> , 2008 , 377, 489-500	6.5	32
72	Engineering the NK1 fragment of hepatocyte growth factor/scatter factor as a MET receptor antagonist. <i>Journal of Molecular Biology</i> , 2008 , 377, 616-22	6.5	34
71	Interactions of hepatocyte growth factor/scatter factor with various glycosaminoglycans reveal an important interplay between the presence of iduronate and sulfate density. <i>Journal of Biological Chemistry</i> , 2008 , 283, 5235-48	5.4	71
70	A mechanistic basis for converting a receptor tyrosine kinase agonist to an antagonist. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 14592-7	11.5	50
69	Eotaxin-1/CC chemokine ligand 11: a novel eosinophil survival factor secreted by human pulmonary artery endothelial cells. <i>Journal of Immunology</i> , 2007 , 179, 1264-73	5.3	29
68	Structure of the human receptor tyrosine kinase met in complex with the <i>Listeria</i> invasion protein InlB. <i>Cell</i> , 2007 , 130, 235-46	56.2	128
67	Insights into the structure/function of hepatocyte growth factor/scatter factor from studies with individual domains. <i>Journal of Molecular Biology</i> , 2007 , 367, 395-408	6.5	70
66	Structural basis of hepatocyte growth factor/scatter factor and MET signalling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 4046-51	11.5	165
65	Hepatocyte growth factor/scatter factor and MET are involved in arterial repair and atherogenesis. <i>American Journal of Pathology</i> , 2006 , 168, 340-8	5.8	20
64	Structural basis of affinity maturation of the TEPC15/Vkappa45.1 anti-2-phenyl-5-oxazolone antibodies. <i>Journal of Molecular Biology</i> , 2006 , 359, 1161-9	6.5	6
63	Signalling by HGF/SF and Met: the role of heparan sulphate co-receptors. <i>Biochemical Society Transactions</i> , 2006 , 34, 414-7	5.1	49
62	Computer-assisted mass spectrometric analysis of naturally occurring and artificially introduced cross-links in proteins and protein complexes. <i>FEBS Journal</i> , 2006 , 273, 281-91	5.7	49
61	Crystal structure of the beta-chain of human hepatocyte growth factor-like/macrophage stimulating protein. <i>FEBS Journal</i> , 2005 , 272, 5799-807	5.7	21
60	The interactions of hepatocyte growth factor/scatter factor and its NK1 and NK2 variants with glycosaminoglycans using a modified gel mobility shift assay. Elucidation of the minimal size of binding and activatory oligosaccharides. <i>Journal of Biological Chemistry</i> , 2004 , 279, 43560-7	5.4	49
59	The sema domain. <i>Current Opinion in Structural Biology</i> , 2004 , 14, 669-78	8.1	130
58	Nitric oxide modulates hepatocyte growth factor/scatter factor-induced angiogenesis. <i>Angiogenesis</i> , 2004 , 7, 285-94	10.6	6

57	Diverse and potent activities of HGF/SF in skin wound repair. <i>Journal of Pathology</i> , 2004 , 203, 831-8	9.4	104
56	Functional map and domain structure of MET, the product of the c-met protooncogene and receptor for hepatocyte growth factor/scatter factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 12039-44	11.5	149
55	A G2/M Cell Cycle Block in Transformed Cells by Contact with Normal Neighbours. <i>Cell Cycle</i> , 2003 , 2, 482-485	4.7	6
54	Aromatic amino acids at the surface of InlB are essential for host cell invasion by <i>Listeria monocytogenes</i> . <i>Molecular Microbiology</i> , 2003 , 48, 1525-36	4.1	40
53	Met, metastasis, motility and more. <i>Nature Reviews Molecular Cell Biology</i> , 2003 , 4, 915-25	48.7	2175
52	Targeting of mitogen-activated protein kinases and phosphatidylinositol 3 kinase inhibits hepatocyte growth factor/scatter factor-induced angiogenesis. <i>Circulation</i> , 2003 , 107, 2955-61	16.7	28
51	Hepatocyte growth factor/scatter factor can induce angiogenesis independently of vascular endothelial growth factor. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003 , 23, 69-75	9.4	107
50	Cyclooxygenase-2-selective nonsteroidal anti-inflammatory drugs inhibit hepatocyte growth factor/scatter factor-induced angiogenesis. <i>Cancer Research</i> , 2003 , 63, 8351-9	10.1	16
49	A new crystal form of the NK1 splice variant of HGF/SF demonstrates extensive hinge movement and suggests that the NK1 dimer originates by domain swapping. <i>Journal of Molecular Biology</i> , 2002 , 319, 283-8	6.5	18
48	Crystal structures of NK1-heparin complexes reveal the basis for NK1 activity and enable engineering of potent agonists of the MET receptor. <i>EMBO Journal</i> , 2001 , 20, 5543-55	13	93
47	Involvement of hepatocyte growth factor/scatter factor and met receptor signaling in hair follicle morphogenesis and cycling. <i>FASEB Journal</i> , 2000 , 14, 319-32	0.9	117
46	Heparan sulfate-modified CD44 promotes hepatocyte growth factor/scatter factor-induced signal transduction through the receptor tyrosine kinase c-Met. <i>Journal of Biological Chemistry</i> , 1999 , 274, 6499-506	5.4	175
45	Crystal structure of the NK1 fragment of HGF/SF suggests a novel mode for growth factor dimerization and receptor binding. <i>Nature Structural Biology</i> , 1999 , 6, 72-9		99
44	Expression of a Cx43 deletion mutant in 3T3 A31 fibroblasts prevents PDGF-induced inhibition of cell communication and suppresses cell growth. <i>Experimental Cell Research</i> , 1999 , 249, 367-76	4.2	31
43	The effect of high-frequency random mutagenesis on in vitro protein evolution: a study on TEM-1 beta-lactamase. <i>Journal of Molecular Biology</i> , 1999 , 285, 775-83	6.5	168
42	Engineered mutants of HGF/SF with reduced binding to heparan sulphate proteoglycans, decreased clearance and enhanced activity in vivo. <i>Current Biology</i> , 1998 , 8, 125-34	6.3	88
41	Developmental roles of HGF/SF and its receptor, the c-Met tyrosine kinase. <i>Trends in Cell Biology</i> , 1998 , 8, 404-10	18.3	497
40	Insights into the structure of hepatocyte growth factor/scatter factor (HGF/SF) and implications for receptor activation. <i>FEBS Letters</i> , 1998 , 430, 126-9	3.8	26

39	Dimerization of Fab fragments enables ready screening of phage antibodies that affect hepatocyte growth factor/scatter factor activity on target cells. <i>European Journal of Immunology</i> , 1997 , 27, 618-23	6.1	10
38	Evolution of plasminogen-related growth factors (HGF/SF and HGF1/MSP). <i>Novartis Foundation Symposium</i> , 1997 , 212, 24-35; discussion 35-41, 42-5		4
37	Domain structure of hepatocyte growth factor/scatter factor (HGF/SF). <i>Novartis Foundation Symposium</i> , 1997 , 212, 84-93; discussion 93-104		
36	An approach to random mutagenesis of DNA using mixtures of triphosphate derivatives of nucleoside analogues. <i>Journal of Molecular Biology</i> , 1996 , 255, 589-603	6.5	281
35	Co-expression of the HGF/SF and c-met genes during early mouse embryogenesis precedes reciprocal expression in adjacent tissues during organogenesis. <i>Genesis</i> , 1996 , 18, 254-66		89
34	Scatter factor/hepatocyte growth factor is essential for liver development. <i>Nature</i> , 1995 , 373, 699-702	50.4	1233
33	Roles of hepatocyte growth factor/scatter factor and the met receptor in the early development of the metanephros. <i>Journal of Cell Biology</i> , 1995 , 128, 171-84	7.3	284
32	Characterization of the scatter factor/hepatocyte growth factor gene promoter. Positive and negative regulatory elements direct gene expression to mesenchymal cells. <i>Journal of Biological Chemistry</i> , 1995 , 270, 830-6	5.4	31
31	HGF/SF inhibits junctional communication. <i>Experimental Cell Research</i> , 1995 , 219, 657-63	4.2	34
30	Universal cloning and direct sequencing of rearranged antibody V genes using C region primers, biotin-captured cDNA and one-side PCR. <i>Journal of Immunological Methods</i> , 1995 , 178, 241-51	2.5	19
29	Towards a molecular understanding of neural induction. <i>Biology of the Cell</i> , 1995 , 84, 90-90	3.5	
28	Expression of HGF/SF, HGF1/MSP, and c-met suggests new functions during early chick development. <i>Genesis</i> , 1995 , 17, 90-101		81
27	Molecular evolution and domain structure of plasminogen-related growth factors (HGF/SF and HGF1/MSP). <i>Protein Science</i> , 1994 , 3, 2378-94	6.3	146
26	Topography of apolipoprotein B in subcellular fractions from rabbit liver. <i>Biochemical Society Transactions</i> , 1993 , 21, 126S	5.1	
25	Transforming growth factor-beta 1 and interleukin-1 beta stimulate LDL receptor activity in Hep G2 cells. <i>Atherosclerosis</i> , 1992 , 97, 21-8	3.1	25
24	Membrane-bound apolipoprotein B is exposed at the cytosolic surface of liver microsomes. <i>FEBS Letters</i> , 1992 , 304, 24-6	3.8	14
23	Structural repertoire of the human VH segments. <i>Journal of Molecular Biology</i> , 1992 , 227, 799-817	6.5	377
22	Original and artificial antibodies. <i>Nature</i> , 1992 , 357, 201-2	50.4	62

21	Non-random features of the repertoire expressed by the members of one V kappa gene family and of the V-J recombination. <i>European Journal of Immunology</i> , 1992 , 22, 1627-34	6.1	42
20	Regulation of cell movement: the motogenic cytokines. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 1991 , 1072, 81-102	11.2	67
19	Mutation and selection during the secondary response to 2-phenyloxazolone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 5508-12	11.5	56
18	A sensitive RNase protection assay for the quantitation of the mRNAs for the LDL receptor and HMG-CoA reductase in human total RNA. Effects of treatments on cells in culture designed to up- and down-regulate expression of the LDL receptor. <i>Atherosclerosis</i> , 1991 , 90, 81-90	3.1	9
17	Growth factors and cell movement. <i>European Journal of Cancer & Clinical Oncology</i> , 1991 , 27, 403-5		23
16	Colony assays for antibody fragments expressed in bacteria. <i>Journal of Immunological Methods</i> , 1991 , 139, 197-205	2.5	37
15	Purification and characterization of scatter factor. <i>Exs</i> , 1991 , 59, 53-62		4
14	The distribution of apolipoprotein B in endoplasmic reticulum and Golgi subfractions of rabbit liver. <i>Biochemical Society Transactions</i> , 1990 , 18, 1181	5.1	2
13	Hepatocytes and scatter factor. <i>Nature</i> , 1990 , 346, 228	50.4	184
12	A single-step procedure for cloning and selection of antibody-secreting hybridomas. <i>Journal of Immunological Methods</i> , 1990 , 126, 61-8	2.5	18
11	Scatter factor and other regulators of cell mobility. <i>British Medical Bulletin</i> , 1989 , 45, 481-91	5.4	16
10	Purification of scatter factor, a fibroblast-derived basic protein that modulates epithelial interactions and movement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989 , 86, 5844-8	11.5	350
9	Scatter factor is a fibroblast-derived modulator of epithelial cell mobility. <i>Nature</i> , 1987 , 327, 239-42	50.4	1191
8	Factors affecting epithelial interactions. <i>Novartis Foundation Symposium</i> , 1987 , 125, 217-39		7
7	Plasma and urine lipoproteins during the development of nephrotic syndrome induced in the rat by adriamycin. <i>Experimental and Molecular Pathology</i> , 1983 , 39, 282-99	4.4	20
6	Experimental nephrotic syndrome in the rat induced by puromycin aminonucleoside. Plasma and urinary lipoproteins. <i>Experimental and Molecular Pathology</i> , 1980 , 32, 128-42	4.4	52
5	Experimental nephrotic syndrome induced in the rat by puromycin aminonucleoside: hepatic synthesis of neutral lipids and phospholipids from 3H-water and 3H-palmitate. <i>Lipids</i> , 1980 , 15, 108-12	1.6	24
4	Experimental nephrotic syndrome in the rat induced by puromycin aminonucleoside: hepatic synthesis of lipoproteins and apolipoproteins. <i>Lipids</i> , 1980 , 15, 858-63	1.6	17

- 3 Chemical and morphological changes of rat plasma lipoproteins after a prolonged administration of diets containing olive oil and cholesterol. *Atherosclerosis*, **1977**, 28, 369-87 3.1 18
- 2 Chairman's Summing-Up. *Novartis Foundation Symposium*, 252-253
- 1 A minimal hepatocyte growth factor mimic acting as a powerful agonist of the MET receptor tyrosine kinase for regeneration of epithelial tissues and organs 1