

# Marco Crescenzi

## List of Publications by Citations

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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.

109 papers	4,215 citations	35 h-index	61 g-index
109 ext. papers	4,530 ext. citations	7.4 avg, IF	4.64 L-index

#	Paper	IF	Citations
109	Thermostable DNA polymerase chain amplification of t(14;18) chromosome breakpoints and detection of minimal residual disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1988</b> , 85, 4869-73	11.5	267
108	New functions of XPC in the protection of human skin cells from oxidative damage. <i>EMBO Journal</i> , <b>2006</b> , 25, 4305-15	13	204
107	The mammalian mismatch repair pathway removes DNA 8-oxodGMP incorporated from the oxidized dNTP pool. <i>Current Biology</i> , <b>2002</b> , 12, 912-8	6.3	191
106	Alpha 6 beta 4 and alpha 6 beta 1 integrins associate with ErbB-2 in human carcinoma cell lines. <i>Experimental Cell Research</i> , <b>1997</b> , 236, 76-85	4.2	187
105	MyoD induces growth arrest independent of differentiation in normal and transformed cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1990</b> , 87, 8442-6	11.5	177
104	Human MRE11 is inactivated in mismatch repair-deficient cancers. <i>EMBO Reports</i> , <b>2002</b> , 3, 248-54	6.5	153
103	Development of a highly efficient expression cDNA cloning system: application to oncogene isolation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1991</b> , 88, 5167-71	11.5	147
102	Inhibition of ErbB-2 mitogenic and transforming activity by RALT, a mitogen-induced signal transducer which binds to the ErbB-2 kinase domain. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 7735-50	4.8	126
101	Interference with p53 protein inhibits hematopoietic and muscle differentiation. <i>Journal of Cell Biology</i> , <b>1996</b> , 134, 193-204	7.3	114
100	p53 re-expression inhibits proliferation and restores differentiation of human thyroid anaplastic carcinoma cells. <i>Oncogene</i> , <b>1997</b> , 14, 729-40	9.2	113
99	High efficiency myogenic conversion of human fibroblasts by adenoviral vector-mediated MyoD gene transfer. An alternative strategy for ex vivo gene therapy of primary myopathies. <i>Journal of Clinical Investigation</i> , <b>1998</b> , 101, 2119-28	15.9	107
98	Che-1 phosphorylation by ATM/ATR and Chk2 kinases activates p53 transcription and the G2/M checkpoint. <i>Cancer Cell</i> , <b>2006</b> , 10, 473-86	24.3	90
97	Terminally differentiated muscle cells are defective in base excision DNA repair and hypersensitive to oxygen injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 17010-5	11.5	89
96	The mammalian mismatch repair protein MSH2 is required for correct MRE11 and RAD51 relocalization and for efficient cell cycle arrest induced by ionizing radiation in G2 phase. <i>Oncogene</i> , <b>2003</b> , 22, 2110-20	9.2	81
95	Reconstitution of cyclin D1-associated kinase activity drives terminally differentiated cells into the cell cycle. <i>Molecular and Cellular Biology</i> , <b>2001</b> , 21, 5631-43	4.8	81
94	Np95 is regulated by E1A during mitotic reactivation of terminally differentiated cells and is essential for S phase entry. <i>Journal of Cell Biology</i> , <b>2002</b> , 157, 909-14	7.3	79
93	Expression of E1A in terminally differentiated muscle cells reactivates the cell cycle and suppresses tissue-specific genes by separable mechanisms. <i>Molecular and Cellular Biology</i> , <b>1996</b> , 16, 5302-12	4.8	66

92	A pRb-independent mechanism preserves the postmitotic state in terminally differentiated skeletal muscle cells. <i>Journal of Cell Biology</i> , <b>2004</b> , 167, 417-23	7.3	64
91	Critical requirement for cell cycle inhibitors in sustaining nonproliferative states. <i>Journal of Cell Biology</i> , <b>2007</b> , 176, 807-18	7.3	63
90	Knockdown of cyclin-dependent kinase inhibitors induces cardiomyocyte re-entry in the cell cycle. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 8644-8654	5.4	60
89	Mismatch repair, G(2)/M cell cycle arrest and lethality after DNA damage. <i>Carcinogenesis</i> , <b>1999</b> , 20, 2317-26	7.6	58
88	The accumulation of MMS-induced single strand breaks in G1 phase is recombinogenic in DNA polymerase beta defective mammalian cells. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, 280-8	20.1	56
87	Mitotic cycle reactivation in terminally differentiated cells by adenovirus infection. <i>Journal of Cellular Physiology</i> , <b>1995</b> , 162, 26-35	7	56
86	The main biological determinants of tumor line taxonomy elucidated by a principal component analysis of microarray data. <i>FEBS Letters</i> , <b>2001</b> , 507, 114-8	3.8	53
85	A role for oxidized DNA precursors in Huntington's disease-like striatal neurodegeneration. <i>PLoS Genetics</i> , <b>2008</b> , 4, e1000266	6	48
84	Transformation by myc prevents fusion but not biochemical differentiation of C2C12 myoblasts: mechanisms of phenotypic correction in mixed culture with normal cells. <i>Journal of Cell Biology</i> , <b>1994</b> , 125, 1137-45	7.3	46
83	Variant of ataxia-telangiectasia with low-level radiosensitivity. <i>Human Genetics</i> , <b>1985</b> , 70, 274-7	6.3	46
82	1,2-Dimethylhydrazine-induced colon carcinoma and lymphoma in msh2(-/-) mice. <i>Journal of the National Cancer Institute</i> , <b>2001</b> , 93, 1534-40	9.7	42
81	Sensitivity to DNA cross-linking chemotherapeutic agents in mismatch repair-defective cells in vitro and in xenografts. <i>International Journal of Cancer</i> , <b>2000</b> , 85, 590-6	7.5	42
80	Trends in tissue repair and regeneration. <i>Development (Cambridge)</i> , <b>2017</b> , 144, 357-364	6.6	41
79	HIPK2 catalytic activity and subcellular localization are regulated by activation-loop Y354 autophosphorylation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2013</b> , 1833, 1443-53	4.9	40
78	The Giardia duodenalis 14-3-3 protein is post-translationally modified by phosphorylation and polyglycylation of the C-terminal tail. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 5137-48	5.4	40
77	The WRN and MUS81 proteins limit cell death and genome instability following oncogene activation. <i>Oncogene</i> , <b>2013</b> , 32, 610-20	9.2	36
76	Differentiation-associated microRNAs antagonize the Rb-E2F pathway to restrict proliferation. <i>Journal of Cell Biology</i> , <b>2012</b> , 199, 77-95	7.3	36
75	p53 can inhibit cell proliferation through caspase-mediated cleavage of ERK2/MAPK. <i>Cell Death and Differentiation</i> , <b>2004</b> , 11, 596-607	12.7	36

74	DNA damage response by single-strand breaks in terminally differentiated muscle cells and the control of muscle integrity. <i>Cell Death and Differentiation</i> , <b>2012</b> , 19, 1741-9	12.7	34
73	Induction of myogenic differentiation by SDF-1 via CXCR4 and CXCR7 receptors. <i>Muscle and Nerve</i> , <b>2010</b> , 41, 828-35	3.4	33
72	Gene expression waves. Cell cycle independent collective dynamics in cultured cells. <i>FEBS Journal</i> , <b>2007</b> , 274, 2878-86	5.7	33
71	Robust G2 pausing of adult stem cells in Hydra. <i>Differentiation</i> , <b>2014</b> , 87, 83-99	3.5	31
70	Wild-type p53 induces diverse effects in 32D cells expressing different oncogenes. <i>Molecular and Cellular Biology</i> , <b>1996</b> , 16, 487-95	4.8	31
69	Estrogens enhance myoblast differentiation in facioscapulohumeral muscular dystrophy by antagonizing DUX4 activity. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 1531-1545	15.9	31
68	Interaction network of the 14-3-3 protein in the ancient protozoan parasite Giardia duodenalis. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 2666-83	5.6	29
67	The nebulin SH3 domain is dispensable for normal skeletal muscle structure but is required for effective active load bearing in mouse. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 5477-89	5.3	28
66	Wt-p53 action in human leukaemia cell lines corresponding to different stages of differentiation. <i>British Journal of Cancer</i> , <b>1998</b> , 77, 1429-38	8.7	28
65	Prolonged lifespan with enhanced exploratory behavior in mice overexpressing the oxidized nucleoside triphosphatase hMTH1. <i>Aging Cell</i> , <b>2013</b> , 12, 695-705	9.9	27
64	MLC1 trafficking and membrane expression in astrocytes: role of caveolin-1 and phosphorylation. <i>Neurobiology of Disease</i> , <b>2010</b> , 37, 581-95	7.5	27
63	Identification of a molecular signature for leukemic promyelocytes and their normal counterparts: Focus on DNA repair genes. <i>Leukemia</i> , <b>2006</b> , 20, 1978-88	10.7	27
62	Phosphorylation and nitration of tyrosine residues affect functional properties of Synaptophysin and Dynamin I, two proteins involved in exo-endocytosis of synaptic vesicles. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2013</b> , 1833, 110-21	4.9	26
61	Phosphorylation of SRSF1 is modulated by replicational stress. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 1106-17	20.1	26
60	Wild-type p53 gene transfer is not detrimental to normal cells in vivo: implications for tumor gene therapy. <i>Oncogene</i> , <b>2004</b> , 23, 418-25	9.2	26
59	Exogenous wt-p53 protein is active in transformed cells but not in their non-transformed counterparts: implications for cancer gene therapy without tumor targeting. <i>Journal of Gene Medicine</i> , <b>2000</b> , 2, 11-21	3.5	26
58	Gaucher disease due to saposin C deficiency is an inherited lysosomal disease caused by rapidly degraded mutant proteins. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 5814-26	5.6	24
57	Genotype-phenotype analysis of S326C OGG1 polymorphism: a risk factor for oxidative pathologies. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 63, 401-9	7.8	23

56	The logic and regulation of cell cycle exit and reentry. <i>Cellular and Molecular Life Sciences</i> , <b>2008</b> , 65, 8-15	10.3	23
55	Expression of exogenous wt-p53 does not affect normal hematopoiesis: implications for bone marrow purging. <i>Gene Therapy</i> , <b>1997</b> , 4, 1371-8	4	20
54	Mass spectrometry detection of fraudulent use of cow whey in water buffalo, sheep, or goat Italian ricotta cheese. <i>Food Chemistry</i> , <b>2016</b> , 197 Pt B, 1240-8	8.5	19
53	E2F activates late-G1 events but cannot replace E1A in inducing S phase in terminally differentiated skeletal muscle cells. <i>Oncogene</i> , <b>1999</b> , 18, 5054-62	9.2	19
52	Separase prevents genomic instability by controlling replication fork speed. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 267-278	20.1	18
51	Megalencephalic leukoencephalopathy with subcortical cysts protein-1 modulates endosomal pH and protein trafficking in astrocytes: relevance to MLC disease pathogenesis. <i>Neurobiology of Disease</i> , <b>2014</b> , 66, 1-18	7.5	18
50	Hydra, a versatile model to study the homeostatic and developmental functions of cell death. <i>International Journal of Developmental Biology</i> , <b>2012</b> , 56, 593-604	1.9	18
49	Streptococcal-vimentin cross-reactive antibodies induce microvascular cardiac endothelial proinflammatory phenotype in rheumatic heart disease. <i>Clinical and Experimental Immunology</i> , <b>2013</b> , 173, 419-29	6.2	18
48	The telomeric protein AKTIP interacts with A- and B-type lamins and is involved in regulation of cellular senescence. <i>Open Biology</i> , <b>2016</b> , 6,	7	18
47	Involvement of 14-3-3 protein post-translational modifications in Giardia duodenalis encystation. <i>International Journal for Parasitology</i> , <b>2010</b> , 40, 201-13	4.3	17
46	DNA replication is intrinsically hindered in terminally differentiated myotubes. <i>PLoS ONE</i> , <b>2010</b> , 5, e11559	9.7	17
45	Anti-GAPDH Autoantibodies as a Pathogenic Determinant and Potential Biomarker of Neuropsychiatric Diseases. <i>Arthritis and Rheumatology</i> , <b>2016</b> , 68, 2708-2716	9.5	17
44	Carbon monoxide signaling in human red blood cells: evidence for pentose phosphate pathway activation and protein deglutathionylation. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 20, 403-16	8.4	16
43	Long-term fate of terminally differentiated skeletal muscle cells following E1A-initiated cell cycle reactivation. <i>Cell Death and Differentiation</i> , <b>2000</b> , 7, 145-54	12.7	16
42	Adenovirus infection induces reentry into the cell cycle of terminally differentiated skeletal muscle cells. <i>Annals of the New York Academy of Sciences</i> , <b>1995</b> , 752, 9-18	6.5	16
41	Effects of Exogenous p53 Transduction in Thyroid Tumor Cells with Different p53 Status. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2000</b> , 85, 302-308	5.6	16
40	Giardia duodenalis 14-3-3 protein is polyglycylated by a tubulin tyrosine ligase-like member and deglycylated by two metalloproteases. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 4471-84	5.4	15
39	Discrimination of single amino acid mutations of the p53 protein by means of deterministic singularities of recurrence quantification analysis. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2004</b> , 55, 743-55	4.2	15

38	Phenotypically immature IgG-bearing B cells in patients with hypogammaglobulinemia. <i>Journal of Clinical Immunology</i> , <b>1986</b> , 6, 21-5	5.7	15
37	Exogenous Alpha-Synuclein Alters Pre- and Post-Synaptic Activity by Fragmenting Lipid Rafts. <i>EBioMedicine</i> , <b>2016</b> , 7, 191-204	8.8	14
36	Autoantibodies specific to D4GDI modulate Rho GTPase mediated cytoskeleton remodeling and induce autophagy in T lymphocytes. <i>Journal of Autoimmunity</i> , <b>2015</b> , 58, 78-89	15.5	14
35	Peroxynitrite induces tyrosine residue modifications in synaptophysin C-terminal domain, affecting its interaction with src. <i>Journal of Neurochemistry</i> , <b>2009</b> , 111, 859-69	6	14
34	HPV E7 expression in skeletal muscle cells distinguishes initiation of the postmitotic state from its maintenance. <i>Oncogene</i> , <b>2003</b> , 22, 4027-34	9.2	13
33	A cancer-specific transcriptional signature in human neoplasia. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 3015-25	15.9	13
32	HIPK2 Phosphorylates the Microtubule-Severing Enzyme Spastin at S268 for Abscission. <i>Cells</i> , <b>2019</b> , 8,	7.9	12
31	HIPK2 sustains apoptotic response by phosphorylating Che-1/AATF and promoting its degradation. <i>Cell Death and Disease</i> , <b>2014</b> , 5, e1414	9.8	11
30	Regulation of cyclin E protein levels through E2F-mediated inhibition of degradation. <i>Cell Cycle</i> , <b>2004</b> , 3, 1572-8	4.7	11
29	A simple and effective method to analyze membrane proteins by SDS-PAGE and MALDI mass spectrometry. <i>Anticancer Research</i> , <b>2010</b> , 30, 1121-9	2.3	11
28	A defective dNTP pool hinders DNA replication in cell cycle-reactivated terminally differentiated muscle cells. <i>Cell Death and Differentiation</i> , <b>2017</b> , 24, 774-784	12.7	10
27	The beta 4 integrin subunit is expressed in mouse fibroblasts and modulated by transforming growth factor-beta 1. <i>Experimental Cell Research</i> , <b>1996</b> , 227, 223-9	4.2	10
26	Hypogammaglobulinemia with hyper-IgM, severe T-cell defect, and abnormal recirculation of OKT4 lymphocytes in a girl with chronic lymphadenopathy. <i>Clinical Immunology and Immunopathology</i> , <b>1986</b> , 38, 256-64		10
25	Mass spectrometry for protein identification and the study of post translational modifications. <i>Annali Dell'Istituto Superiore Di Sanita</i> , <b>2005</b> , 41, 443-50	1.6	10
24	Src inhibitors modulate frataxin protein levels. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 4296-305	5.6	9
23	MetaShot: an accurate workflow for taxon classification of host-associated microbiome from shotgun metagenomic data. <i>Bioinformatics</i> , <b>2017</b> , 33, 1730-1732	7.2	9
22	Cytogenetic analysis of human cells reveals specific patterns of DNA damage in replicative and oncogene-induced senescence. <i>Aging Cell</i> , <b>2013</b> , 12, 312-5	9.9	8
21	Formation of an adduct by clenbuterol, a beta-adrenoceptor agonist drug, and serum albumin in human saliva at the acidic pH of the stomach: evidence for an aryl radical-based process. <i>Free Radical Biology and Medicine</i> , <b>2008</b> , 45, 124-35	7.8	7

20	HIPK2 and extrachromosomal histone H2B are separately recruited by Aurora-B for cytokinesis. <i>Oncogene</i> , <b>2018</b> , 37, 3562-3574	9.2	6
19	Proliferation of Multiple Cell Types in the Skeletal Muscle Tissue Elicited by Acute p21 Suppression. <i>Molecular Therapy</i> , <b>2015</b> , 23, 885-895	11.7	5
18	Oncogenes belonging to the CSF-1 transduction pathway direct p53 tumor suppressor effects to monocytic differentiation in 32D cells. <i>Oncogene</i> , <b>1997</b> , 15, 607-11	9.2	5
17	Non-Proliferation as an Active State: Conceptual and Practical Implications. <i>Cell Cycle</i> , <b>2007</b> , 6, 1414-1417	4.7	5
16	Antigenic expression of B-cell chronic lymphocytic leukemic cell lines. <i>Leukemia and Lymphoma</i> , <b>1992</b> , 7, 497-504	1.9	5
15	Increased levels of acute-phase inflammatory proteins in plasma of patients with sporadic CJD. <i>Neurology</i> , <b>2012</b> , 79, 1012-8	6.5	4
14	Type E Botulinum Neurotoxin-Producing Clostridium butyricum Strains Are Aerotolerant during Vegetative Growth. <i>MSystems</i> , <b>2019</b> , 4,	7.6	3
13	An insight into the abundant proteome of 46BR.1G1 fibroblasts deficient of DNA ligase I. <i>Electrophoresis</i> , <b>2012</b> , 33, 307-15	3.6	3
12	Levels matter: miR-206 and cyclin D1. <i>Cell Cycle</i> , <b>2013</b> , 12, 3715	4.7	3
11	The enzymatic processing of Edystroglycan by MMP-2 is controlled by two anchoring sites distinct from the active site. <i>PLoS ONE</i> , <b>2018</b> , 13, e0192651	3.7	2
10	Phosphorylation on threonine 11 of Edystrobrevin alters its interaction with kinesin heavy chain. <i>FEBS Journal</i> , <b>2012</b> , 279, 4131-44	5.7	2
9	Efficient one-step chromatographic purification and functional characterization of recombinant human Saposin C. <i>Protein Expression and Purification</i> , <b>2011</b> , 78, 209-15	2	2
8	Synchronous protein cycling in batch cultures of the yeast Saccharomyces cerevisiae at log growth phase. <i>Experimental Cell Research</i> , <b>2011</b> , 317, 2958-68	4.2	2
7	Restoring the Cell Cycle and Proliferation Competence in Terminally Differentiated Skeletal Muscle Myotubes. <i>Cells</i> , <b>2021</b> , 10,	7.9	2
6	Structural basis of ubiquitination mediated by protein splicing in early Eukarya. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2021</b> , 1865, 129844	4	2
5	B-CELL LYMPHOMA: t(14;18) CHROMOSOME REARRANGEMENT <b>1990</b> , 392-398		1
4	pRb in the Differentiation of Normal and Neoplastic Cells <b>2006</b> , 11-19		1
3	The Amyloid Aggregation Study on Board the International Space Station, an Update. <i>Aerotecnica Missili &amp; Spazio</i> , <b>2020</b> , 99, 141-148	0.4	

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|---|--|-----|
| 2 | The nebulin SH3 domain is dispensable for normal skeletal muscle structure but is required for effective active load bearing in mouse. <i>Development (Cambridge)</i> , <b>2014</b> , 141, e108-e108 | 6.6 |
| 1 | First detection of SARS-CoV-2 lineage A.27 in Sardinia, Italy.. <i>Annali Dell'Istituto Superiore Di Sanita</i> , <b>2022</b> , 58, 1-5  | 1.6 |