

Carmela Fimognari

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

4,497
citations

136740

32
h-index

133063

59
g-index

120
all docs

120
docs citations

120
times ranked

6592
citing authors

#	ARTICLE	IF	CITATIONS
1	Broad targeting of resistance to apoptosis in cancer. <i>Seminars in Cancer Biology</i> , 2015, 35, S78-S103.	4.3	535
2	Vaccination with early ferroptotic cancer cells induces efficient antitumor immunity. , 2020, 8, e001369.		220
3	Growth inhibition, cell-cycle arrest and apoptosis in human T-cell leukemia by the isothiocyanate sulforaphane. <i>Carcinogenesis</i> , 2002, 23, 581-586.	1.3	203
4	Sulforaphane as a promising molecule for fighting cancer. <i>Mutation Research - Reviews in Mutation Research</i> , 2007, 635, 90-104.	2.4	196
5	Alkaloids for cancer prevention and therapy: Current progress and future perspectives. <i>European Journal of Pharmacology</i> , 2019, 858, 172472.	1.7	182
6	Creatine as an antioxidant. <i>Amino Acids</i> , 2011, 40, 1385-1396.	1.2	148
7	Potential Effects of Pomegranate Polyphenols in Cancer Prevention and Therapy. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-19.	1.9	125
8	Marine Sponge Natural Products with Anticancer Potential: An Updated Review. <i>Marine Drugs</i> , 2017, 15, 310.	2.2	103
9	Sulforaphane as a Promising Molecule for Fighting Cancer. <i>Cancer Treatment and Research</i> , 2014, 159, 207-223.	0.2	100
10	Natural isothiocyanates: Genotoxic potential versus chemoprevention. <i>Mutation Research - Reviews in Mutation Research</i> , 2012, 750, 107-131.	2.4	97
11	Neuroprotective Effect of Caffeic Acid Phenethyl Ester in A Mouse Model of Alzheimer's Disease Involves Nrf2/HO-1 Pathway. , 2018, 9, 605.		97
12	Ellagitannins in Cancer Chemoprevention and Therapy. <i>Toxins</i> , 2016, 8, 151.	1.5	83
13	Induction of apoptosis in two human leukemia cell lines as well as differentiation in human promyelocytic cells by cyanidin-3-O- β -glucopyranoside. <i>Biochemical Pharmacology</i> , 2004, 67, 2047-2056.	2.0	75
14	Chemoprevention of Cancer by Isothiocyanates and Anthocyanins: Mechanisms of Action and Structure-Activity Relationship. <i>Current Medicinal Chemistry</i> , 2008, 15, 440-447.	1.2	70
15	Cold Atmospheric Plasma Induces Apoptosis and Oxidative Stress Pathway Regulation in T-Lymphoblastoid Leukemia Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-13.	1.9	67
16	Cytotoxic and Antitumor Activity of Sulforaphane: The Role of Reactive Oxygen Species. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	66
17	Increased cytogenetic damage detected by FISH analysis on micronuclei in peripheral lymphocytes from alcoholics. <i>Mutagenesis</i> , 2000, 15, 517-523.	1.0	59
18	The potential effects of <i>Ocimum basilicum</i> on health: a review of pharmacological and toxicological studies. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2018, 14, 679-692.	1.5	58

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19	Role of Oxidative RNA Damage in Chronic-Degenerative Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-8.	1.9	57
20	Marine Cyanobacteria and Microalgae Metabolites – A Rich Source of Potential Anticancer Drugs. <i>Marine Drugs</i> , 2020, 18, 476.	2.2	56
21	Sulforaphane induces DNA single strand breaks in cultured human cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010, 689, 65-73.	0.4	52
22	Natural compounds to overcome cancer chemoresistance: toxicological and clinical issues. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2014, 10, 1677-1690.	1.5	49
23	Interaction of the Isothiocyanate Sulforaphane with Drug Disposition and Metabolism: Pharmacological and Toxicological Implications. <i>Current Drug Metabolism</i> , 2008, 9, 668-678.	0.7	46
24	Sweet Chestnut (<i>Castanea sativa</i> Mill.) Bark Extract: Cardiovascular Activity and Myocyte Protection against Oxidative Damage. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-10.	1.9	46
25	Natural Products to Fight Cancer: A Focus on <i>Juglans regia</i> . <i>Toxins</i> , 2018, 10, 469.	1.5	46
26	Isothiocyanates as novel cytotoxic and cytostatic agents: molecular pathway on human transformed and non-transformed cells. <i>Biochemical Pharmacology</i> , 2004, 68, 1133-1138.	2.0	44
27	Sulforaphane increases the efficacy of doxorubicin in mouse fibroblasts characterized by p53 mutations. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2006, 601, 92-101.	0.4	43
28	The genetic and non-genetic toxicity of the fungicide Vinclozolin. <i>Mutagenesis</i> , 1996, 11, 445-453.	1.0	42
29	Cyclin D3 and p53 mediate sulforaphane-induced cell cycle delay and apoptosis in non-transformed human T lymphocytes. <i>Cellular and Molecular Life Sciences</i> , 2002, 59, 2004-2012.	2.4	42
30	Natural Products as Inducers of Non-Canonical Cell Death: A Weapon against Cancer. <i>Cancers</i> , 2021, 13, 304.	1.7	41
31	Sulforaphane Modulates Cell Cycle and Apoptosis in Transformed and Non-transformed Human T Lymphocytes. <i>Annals of the New York Academy of Sciences</i> , 2003, 1010, 393-398.	1.8	39
32	The New Isothiocyanate 4-(Methylthio)Butylisothiocyanate Selectively Affects Cell-Cycle Progression and Apoptosis Induction of Human Leukemia Cells. <i>Investigational New Drugs</i> , 2004, 22, 119-129.	1.2	37
33	Cytogenetic effects of Metalaxyl on human and animal chromosomes. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1996, 369, 81-86.	1.2	34
34	Anticancer potential of allicin: A review. <i>Pharmacological Research</i> , 2022, 177, 106118.	3.1	34
35	Mitochondrial Pathway Mediates the Antileukemic Effects of <i>Hemidesmus Indicus</i> , a Promising Botanical Drug. <i>PLoS ONE</i> , 2011, 6, e21544.	1.1	33
36	Protective effect of creatine against RNA damage. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 670, 59-67.	0.4	32

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37	Nrf2: a potential therapeutic target for naturally occurring anticancer drugs?. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 781-793.	1.5	32
38	Effect of sulforaphane on micronucleus induction in cultured human lymphocytes by four different mutagens. <i>Environmental and Molecular Mutagenesis</i> , 2005, 46, 260-267.	0.9	31
39	Overview of the Anticancer Profile of Avenanthramides from Oat. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4536.	1.8	31
40	Sulforaphane Potentiates Anticancer Effects of Doxorubicin and Cisplatin and Mitigates Their Toxic Effects. <i>Frontiers in Pharmacology</i> , 2020, 11, 567.	1.6	31
41	<i>Withania somnifera</i> Induces Cytotoxic and Cytostatic Effects on Human T Leukemia Cells. <i>Toxins</i> , 2016, 8, 147.	1.5	30
42	Antitumor Potential of Marine and Freshwater Lectins. <i>Marine Drugs</i> , 2020, 18, 11.	2.2	30
43	Overview of the Anticancer Potential of the "King of Spices" Piper nigrum and Its Main Constituent Piperine. <i>Toxins</i> , 2020, 12, 747.	1.5	30
44	Atmospheric Non-Equilibrium Plasma Promotes Cell Death and Cell-Cycle Arrest in a Lymphoma Cell Line. <i>Plasma Processes and Polymers</i> , 2015, 12, 1354-1363.	1.6	29
45	Protective Effects of 6-(Methylsulfinyl)hexyl Isothiocyanate on A β 1-42-Induced Cognitive Deficit, Oxidative Stress, Inflammation, and Apoptosis in Mice. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2083.	1.8	29
46	Janus Kinase Inhibitors and Coronavirus Disease (COVID)-19: Rationale, Clinical Evidence and Safety Issues. <i>Pharmaceuticals</i> , 2021, 14, 738.	1.7	29
47	Micronucleus formation and induction of apoptosis by different isothiocyanates and a mixture of isothiocyanates in human lymphocyte cultures. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2005, 582, 1-10.	0.9	28
48	Pomegranate bioactive constituents target multiple oncogenic and oncosuppressive signaling for cancer prevention and intervention. <i>Seminars in Cancer Biology</i> , 2021, 73, 265-293.	4.3	28
49	Creatine Prevents the Structural and Functional Damage to Mitochondria in Myogenic, Oxidatively Stressed C2C12 Cells and Restores Their Differentiation Capacity. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-12.	1.9	27
50	Lack of correlation between environmental or biological indicators of benzene exposure at parts per billion levels and micronuclei induction. <i>Environmental Research</i> , 2003, 91, 135-142.	3.7	26
51	<i>Hemidesmus indicus</i> induces apoptosis as well as differentiation in a human promyelocytic leukemic cell line. <i>Journal of Ethnopharmacology</i> , 2013, 147, 84-91.	2.0	25
52	Combination of Doxorubicin and Sulforaphane for Reversing Doxorubicin-Resistant Phenotype in Mouse Fibroblasts with p53Ser220 Mutation. <i>Annals of the New York Academy of Sciences</i> , 2007, 1095, 62-69.	1.8	24
53	Anticancer Mechanism of Sulfur-Containing Compounds. <i>The Enzymes</i> , 2015, 37, 167-192.	0.7	24
54	New insights into the trophic and cytoprotective effects of creatine in in vitro and in vivo models of cell maturation. <i>Amino Acids</i> , 2016, 48, 1897-1911.	1.2	24

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55	Targeting topoisomerase II with trypanthrin derivatives: Discovery of 7-((2-(dimethylamino)ethyl)amino)indolo[2,1-b]quinazoline-6,12-dione as an antiproliferative agent and to treat cancer. <i>European Journal of Medicinal Chemistry</i> , 2020, 202, 112504.	2.6	24
56	In vitro Antitumor Activity of Cyanidin-3-O- β -Glucopyranoside. <i>Chemotherapy</i> , 2005, 51, 332-335.	0.8	22
57	The Combination of Physical Exercise with Muscle-Directed Antioxidants to Counteract Sarcopenia: A Biomedical Rationale for Pleiotropic Treatment with Creatine and Coenzyme Q10. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-19.	1.9	22
58	Novel polyamine-based Histone deacetylases-Lysine demethylase 1 dual binding inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1001-1004.	1.0	22
59	In Vitro Study of the Cytotoxic, Cytostatic, and Antigenotoxic Profile of <i>Hemidesmus indicus</i> (L.) R.Br. (Apocynaceae) Crude Drug Extract on T Lymphoblastic Cells. <i>Toxins</i> , 2018, 10, 70.	1.5	22
60	Flow cytometric analysis of genetic damage, effect on cell cycle progression, and apoptosis by thiophanate-methyl in human lymphocytes. , 1999, 33, 173-176.		20
61	Apoptosis induction by sulfur-containing compounds in malignant and nonmalignant human cells. <i>Environmental and Molecular Mutagenesis</i> , 2009, 50, 171-189.	0.9	19
62	Antileukemic Activity of Sulforaphane in Primary Blasts from Patients Affected by Myelo- and Lympho-Proliferative Disorders and in Hypoxic Conditions. <i>PLoS ONE</i> , 2014, 9, e101991.	1.1	19
63	Exploring the effects of isothiocyanates on chemotherapeutic drugs. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2014, 10, 25-38.	1.5	19
64	<i>Hemidesmus indicus</i> induces immunogenic death in human colorectal cancer cells. <i>Oncotarget</i> , 2018, 9, 24443-24456.	0.8	19
65	Indicators of genetic damage in alcoholics: reversibility after alcohol abstinence. <i>Hepato-Gastroenterology</i> , 1999, 46, 1664-8.	0.5	19
66	Synthesis, metabolism and structure-mutagenicity relationships of novel 4-nitro-(imidazoles and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 of <i>Mutagenesis</i> , 1998, 397, 293-301.	0.4	18
67	Effect of cyanidin 3-O- β -glucopyranoside on micronucleus induction in cultured human lymphocytes by four different mutagens. <i>Environmental and Molecular Mutagenesis</i> , 2004, 43, 45-52.	0.9	18
68	Isothiocyanate Synthetic Analogs: Biological Activities, Structure-Activity Relationships and Synthetic Strategies. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014, 14, 963-977.	1.1	18
69	Plasma-activated medium as an innovative anticancer strategy: Insight into its cellular and molecular impact on in vitro leukemia cells. <i>Plasma Processes and Polymers</i> , 2020, 17, 2000007.	1.6	18
70	Naphthalene diimide-polyamine hybrids as antiproliferative agents: Focus on the architecture of the polyamine chains. <i>European Journal of Medicinal Chemistry</i> , 2017, 128, 107-122.	2.6	17
71	Identification of a new tamoxifen-xanthene hybrid as pro-apoptotic anticancer agent. <i>Bioorganic Chemistry</i> , 2019, 86, 538-549.	2.0	17
72	Marine Anthraquinones: Pharmacological and Toxicological Issues. <i>Marine Drugs</i> , 2021, 19, 272.	2.2	17

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73	Micronuclei induction, cell cycle delay and apoptosis as markers of cellular stress caused by ursodeoxycholic acid in human lymphocytes. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2001, 495, 1-9.	0.9	16
74	A mutated p53 status did not prevent the induction of apoptosis by sulforaphane, a promising anti-cancer drug. <i>Investigational New Drugs</i> , 2005, 23, 195-203.	1.2	16
75	RNA as a new target for toxic and protective agents. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 648, 15-22.	0.4	16
76	Apoptosis and Modulation of Cell Cycle Control by Bile Acids in Human Leukemia T Cells. <i>Annals of the New York Academy of Sciences</i> , 2009, 1171, 264-269.	1.8	16
77	Design, synthesis and biological evaluation of new naphthalene diimides bearing isothiocyanate functionality. <i>European Journal of Medicinal Chemistry</i> , 2012, 48, 124-131.	2.6	16
78	On a Beam of Light: Photoprotective Activities of the Marine Carotenoids Astaxanthin and Fucoxanthin in Suppression of Inflammation and Cancer. <i>Marine Drugs</i> , 2020, 18, 544.	2.2	16
79	Possible Effects of Dietary Anthocyanins on Diabetes and Insulin Resistance. <i>Current Drug Targets</i> , 2017, 18, 629-640.	1.0	16
80	Induction of differentiation in human promyelocytic cells by the isothiocyanate sulforaphane. <i>In Vivo</i> , 2008, 22, 317-20.	0.6	16
81	Metabolic and toxicological considerations of botanicals in anticancer therapy. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2012, 8, 819-832.	1.5	15
82	Novel polyamine analogues: From substrates towards potential inhibitors of monoamine oxidases. <i>European Journal of Medicinal Chemistry</i> , 2013, 70, 88-101.	2.6	15
83	Influence of nitroreductase and O-acetyltransferase on the mutagenicity of substituted nitrobenzothienamines in <i>Salmonella typhimurium</i> . <i>Chemico-Biological Interactions</i> , 1999, 118, 99-111.	1.7	14
84	Curcumin-1,2,3-Triazole Conjugation for Targeting the Cancer Apoptosis Machinery. <i>Molecules</i> , 2020, 25, 3066.	1.7	14
85	Cytotoxic effect of potato aspartic proteases (StAPs) on Jurkat T cells. <i>FÄ-toterapÄ-Äç</i> , 2010, 81, 329-335.	1.1	13
86	Cell-cycle specificity of sulforaphane-mediated apoptosis in Jurkat T-leukemia cells. <i>In Vivo</i> , 2007, 21, 377-80.	0.6	13
87	Analysis of metabolism and genotoxicity of 5-nitro-3-thiophenecarboxanilides in bacterial, mammalian and human cells. <i>Mutagenesis</i> , 1995, 10, 171-177.	1.0	12
88	<i>Hemidesmus indicus</i> induces apoptosis via proteasome inhibition and generation of reactive oxygen species. <i>Scientific Reports</i> , 2019, 9, 7199.	1.6	11
89	Coffee in cancer chemoprevention: an updated review. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2021, 17, 69-85.	1.5	11
90	Spiky Gold Nanoparticles for the Photothermal Eradication of Colon Cancer Cells. <i>Nanomaterials</i> , 2021, 11, 1608.	1.9	11

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91	Balanced dual acting compounds targeting aromatase and estrogen receptor $\hat{\pm}$ as an emerging therapeutic opportunity to counteract estrogen responsive breast cancer. <i>European Journal of Medicinal Chemistry</i> , 2021, 224, 113733.	2.6	11
92	The Fast-Halo Assay for the Detection of DNA Damage. <i>Methods in Molecular Biology</i> , 2017, 1644, 75-93.	0.4	11
93	Sulforaphane Potentiates RNA Damage Induced by Different Xenobiotics. <i>PLoS ONE</i> , 2012, 7, e35267.	1.1	11
94	Discovery of Sulforaphane as an Inducer of Ferroptosis in U-937 Leukemia Cells: Expanding Its Anticancer Potential. <i>Cancers</i> , 2022, 14, 76.	1.7	9
95	A mixture of isothiocyanates induces cyclin B1- and p53-mediated cell-cycle arrest and apoptosis of human T lymphoblastoid cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004, 554, 205-214.	0.4	7
96	Exploiting RNA as a new biomolecular target for synthetic polyamines. <i>Gene</i> , 2013, 524, 232-240.	1.0	7
97	Determination of Phytomarkers in Pharmaceutical Preparations of <i>Hemidesmus indicus</i> Roots by Micellar Electrokinetic Chromatography and High-Performance Liquid Chromatography-Mass Spectrometry. <i>Analytical Letters</i> , 2014, 47, 2629-2642.	1.0	7
98	In vitro anti-angiogenic effects of <i>Hemidesmus indicus</i> in hypoxic and normoxic conditions. <i>Journal of Ethnopharmacology</i> , 2015, 162, 261-269.	2.0	7
99	Characterization of the Biological Activity of the Ethanolic Extract from the Roots of <i>Cannabis sativa</i> L. Grown in Aeroponics. <i>Antioxidants</i> , 2022, 11, 860.	2.2	7
100	Inhibition of Cancer Cell Proliferation and Antiradical Effects of Decoction, Hydroalcoholic Extract, and Principal Constituents of <i>Hemidesmus indicus</i> R. Br.. <i>Phytotherapy Research</i> , 2015, 29, 857-863.	2.8	6
101	Study of the Cytotoxic Effects of the New Synthetic Isothiocyanate CM9 and Its Fullerene Derivative on Human T-Leukemia Cells. <i>Toxins</i> , 2015, 7, 535-552.	1.5	6
102	A Cytogenetic Approach to the Study of Genotoxic Effects of Fungicides: An in Vitro Study in Lymphocyte Cultures with Thiophanate-methyl. <i>ATLA Alternatives To Laboratory Animals</i> , 1996, 24, 597-601.	0.7	6
103	In vitro anticancer activity of cyanidin-3-O-beta-glucopyranoside: effects on transformed and non-transformed T lymphocytes. <i>Anticancer Research</i> , 2005, 25, 2837-40.	0.5	6
104	Alkaline Nuclear Dispersion Assays for the Determination of DNA Damage at the Single Cell Level. <i>Methods in Molecular Biology</i> , 2014, 1094, 49-70.	0.4	5
105	Synthesis, in vitro cytotoxicity, molecular docking and ADME study of some indolin-2-one linked 1,2,3-triazole derivatives. <i>Computational Biology and Chemistry</i> , 2022, 97, 107641.	1.1	4
106	Mutagenic and clastogenic activity of gastric juice in human gastric diseases. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 514, 125-132.	0.9	3
107	The Alcoholic Bark Extract of <i>Terminalia Arjuna</i> Exhibits Cytotoxic and Cytostatic Activity on Jurkat Leukemia Cells. <i>Venoms and Toxins</i> , 2021, 1, 56-66.	0.3	3
108	Antitumor Effects of Anthocyanins: Focus on Apoptosis. , 2012, , 49-68.		2

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109	Deuterium Incorporation Protects Cells from Oxidative Damage. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-13.	1.9	2
110	NEW IN VITRO APPROACHES TO EXPLORE CELLULAR AND MOLECULAR EVENTS RELATED TO CARCINOGENESIS. <i>Pharmacological Research</i> , 2000, 41, 385-390.	3.1	1
111	Introduction to the Toxins Special Issue on Dietary and Non-Dietary Phytochemicals and Cancer. <i>Toxins</i> , 2017, 9, 12.	1.5	1
112	Antileukemic Activity of Sulforaphane. <i>Reference Series in Phytochemistry</i> , 2017, , 301-317.	0.2	1
113	The Evaluation of Physical Activity Habits in North Italian People before and during COVID-19 Quarantine: A Pilot Study. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1660.	1.2	1
114	Antileukemic Activity of Sulforaphane. , 2016, , 1-17.		0
115	Synthesis and Biological Evaluation of New Bis-Indolinone Derivatives Endowed with Cytotoxic Activity. <i>Molecules</i> , 2021, 26, 6277.	1.7	0
116	Multidrug Resistance Gene (MDR1) Polymorphisms May Serve as Predictors of Resistance to Imatinib in Chronic Phase Chronic Myeloid Leukemia Patients.. <i>Blood</i> , 2007, 110, 1946-1946.	0.6	0
117	Association Between Imatinib (IM) Transporters and Metabolizing Enzymes Genotype and Response in Newly Diagnosed Chronic Myeloid Leukemia (CML) Patients (Pts) Is Influenced by Ethnicity.. <i>Blood</i> , 2009, 114, 3283-3283.	0.6	0
118	Specific Drug Transporter Genotypes Are Significantly Associated with Increased Rates of Major and Complete Molecular Responses In Newly Diagnosed Chronic Myeloid Leukemia Patients Treated with Imatinib â€” A TOPS Correlative Substudy. <i>Blood</i> , 2010, 116, 670-670.	0.6	0