Simonetta Guarrera

List of Publications by Year
in descending order

78 papers	9,477 citations	94433 37 h-index	69250 77 g-index
80 all docs	80 docs citations	80 times ranked	17022 citing authors

#	Article	IF	Citations
1	Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk. Nature, 2011, 478, 103-109.	27.8	1,855
2	Genome-wide association study identifies eight loci associated with blood pressure. Nature Genetics, 2009, 41, 666-676.	21.4	1,104
3	Epigenome-wide association study of body mass index, and the adverse outcomes of adiposity. Nature, 2017, 541, 81-86.	27.8	743
4	A multi-stage genome-wide association study of bladder cancer identifies multiple susceptibility loci. Nature Genetics, 2010, 42, 978-984.	21.4	493
5	Sequence variant on 8q24 confers susceptibility to urinary bladder cancer. Nature Genetics, 2008, 40, 1307-1312.	21.4	377
6	Genetic variation in the prostate stem cell antigen gene PSCA confers susceptibility to urinary bladder cancer. Nature Genetics, 2009, 41, 991-995.	21.4	321
7	PCSK9 genetic variants and risk of type 2 diabetes: a mendelian randomisation study. Lancet Diabetes and Endocrinology,the, 2017, 5, 97-105.	11.4	298
8	DNA repair gene polymorphisms, bulky DNA adducts in white blood cells and bladder cancer in a case-control study. International Journal of Cancer, 2001, 92, 562-567.	5.1	267
9	Genome-wide association and genetic functional studies identify autism susceptibility candidate 2 gene (AUTS2) in the regulation of alcohol consumption. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7119-7124.	7.1	258
10	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. Nature Genetics, 2021, 53, 1311-1321.	21.4	218
11	Discovery of methylated circulating DNA biomarkers for comprehensive non-invasive monitoring of treatment response in metastatic colorectal cancer. Gut, 2018, 67, 1995-2005.	12.1	188
12	Characterization of whole-genome autosomal differences of DNA methylation between men and women. Epigenetics and Chromatin, 2015, 8, 43.	3.9	176
13	A sequence variant at 4p16.3 confers susceptibility to urinary bladder cancer. Nature Genetics, 2010, 42, 415-419.	21.4	169
14	Association of genetic variation with systolic and diastolic blood pressure among African Americans: the Candidate Gene Association Resource study. Human Molecular Genetics, 2011, 20, 2273-2284.	2.9	168
15	TP53 and KRAS2 Mutations in Plasma DNA of Healthy Subjects and Subsequent Cancer Occurrence: A Prospective Study. Cancer Research, 2006, 66, 6871-6876.	0.9	158
16	Blood Leukocyte DNA Methylation Predicts Risk of Future Myocardial Infarction and Coronary Heart Disease. Circulation, 2019, 140, 645-657.	1.6	151
17	A Field Synopsis on Low-Penetrance Variants in DNA Repair Genes and Cancer Susceptibility. Journal of the National Cancer Institute, 2009, 101, 24-36.	6.3	149
18	Genomewide Association Study Using a High-Density Single Nucleotide Polymorphism Array and Case-Control Design Identifies a Novel Essential Hypertension Susceptibility Locus in the Promoter Region of Endothelial NO Synthase. Hypertension, 2012, 59, 248-255.	2.7	144

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19	Socioeconomic position, lifestyle habits and biomarkers of epigenetic aging: a multi-cohort analysis. Aging, 2019, 11, 2045-2070.	3.1	137
20	European genome-wide association study identifies SLC14A1 as a new urinary bladder cancer susceptibility gene. Human Molecular Genetics, 2011, 20, 4268-4281.	2.9	134
21	DNA adduct levels and DNA repair polymorphisms in traffic-exposed workers and a general population sample. International Journal of Cancer, 2001, 94, 121-127.	5.1	125
22	Polymorphisms in DNA Repair Genes, Smoking, and Bladder Cancer Risk: Findings from the International Consortium of Bladder Cancer. Cancer Research, 2009, 69, 6857-6864.	0.9	107
23	DNA Repair Polymorphisms Modify Bladder Cancer Risk: A Multi-factor Analytic Strategy. Human Heredity, 2008, 65, 105-118.	0.8	101
24	Polymorphic DNA repair and metabolic genes: a multigenic study on gastric cancer. Mutagenesis, 2010, 25, 569-575.	2.6	95
25	Lactase Persistence and Bitter Taste Response: Instrumental Variables and Mendelian Randomization in Epidemiologic Studies of Dietary Factors and Cancer Risk. American Journal of Epidemiology, 2007, 166, 576-581.	3.4	94
26	Associations of autozygosity with a broad range of human phenotypes. Nature Communications, 2019, 10, 4957.	12.8	84
27	Germline mutations in DNA repair genes predispose asbestos-exposed patients to malignant pleural mesothelioma. Cancer Letters, 2017, 405, 38-45.	7.2	80
28	Effects of Long-Term Averaging of Quantitative Blood Pressure Traits on the Detection of Genetic Associations. American Journal of Human Genetics, 2014, 95, 49-65.	6.2	73
29	Genetic Variants Associated with Increased Risk of Malignant Pleural Mesothelioma: A Genome-Wide Association Study. PLoS ONE, 2013, 8, e61253.	2.5	71
30	Malondialdehydeâ^'Deoxyguanosine Adduct Formation in Workers of Pathology Wards: The Role of Air Formaldehyde Exposure. Chemical Research in Toxicology, 2010, 23, 1342-1348.	3.3	62
31	Inference on germline BAP1 mutations and asbestos exposure from the analysis of familial and sporadic mesothelioma in a highâ€risk area. Genes Chromosomes and Cancer, 2015, 54, 51-62.	2.8	55
32	An Overview of the Genetic Structure within the Italian Population from Genome-Wide Data. PLoS ONE, 2012, 7, e43759.	2.5	49
33	Novel Epigenetic Changes Unveiled by Monozygotic Twins Discordant for Smoking Habits. PLoS ONE, 2015, 10, e0128265.	2.5	49
34	A genome-wide association study for malignant mesothelioma risk. Lung Cancer, 2013, 82, 1-8.	2.0	45
35	Differential Greek and northern African migrations to Sicily are supported by genetic evidence from the Y chromosome. European Journal of Human Genetics, 2009, 17, 91-99.	2.8	43
36	Epigenome-wide association study of adiposity and future risk of obesity-related diseases. International Journal of Obesity, 2018, 42, 2022-2035.	3.4	43

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37	Association of maternal prenatal smoking GFI1-locus and cardio-metabolic phenotypes in 18,212 adults. EBioMedicine, 2018, 38, 206-216.	6.1	43
38	Estrogen Receptor-Î± Polymorphisms and Angiographic Outcome After Coronary Artery Stenting. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 2223-2228.	2.4	42
39	The Italian genome reflects the history of Europe and the Mediterranean basin. European Journal of Human Genetics, 2016, 24, 1056-1062.	2.8	40
40	Effect of angiotensin-converting enzyme inhibition on restenosis after coronary stenting. American Journal of Cardiology, 2003, 91, 154-158.	1.6	38
41	Identification of a novel susceptibility locus at 13q34 and refinement of the 20p12.2 region as a multi-signal locus associated with bladder cancer risk in individuals of European ancestry. Human Molecular Genetics, 2016, 25, 1203-1214.	2.9	38
42	Sardinians Genetic Background Explained by Runs of Homozygosity and Genomic Regions under Positive Selection. PLoS ONE, 2014, 9, e91237.	2.5	37
43	Geneâ€“asbestos interaction in malignant pleural mesothelioma susceptibility. Carcinogenesis, 2015, 36, 1129-1135.	2.8	34
44	Expression of DNA repair and metabolic genes in response to a flavonoid-rich diet. British Journal of Nutrition, 2007, 98, 525-533.	2.3	31
45	Synergistic effect of renin-angiotensin system and nitric oxide synthase genes polymorphisms in pre-eclampsia. Acta Obstetricia Et Gynecologica Scandinavica, 2007, 86, 678-682.	2.8	30
46	ERCC1 haplotypes modify bladder cancer risk: A caseâ€“control study. DNA Repair, 2010, 9, 191-200.	2.8	30
47	Are HLA class II and immunoglobulin constant region genes involved in the pathogenesis of mixed cryoglobulinemia type II after hepatitis C virus infection?. Journal of Hepatology, 1998, 29, 36-44.	3.7	29
48	Shorter Leukocyte Telomere Length Is Independently Associated with Poor Survival in Patients with Bladder Cancer. Cancer Epidemiology Biomarkers and Prevention, 2014, 23, 2439-2446.	2.5	29
49	Association Between Aryl Hydrocarbon Receptor Genotype and Survival in Soft Tissue Sarcoma. Journal of Clinical Oncology, 2004, 22, 3997-4001.	1.6	28
50	Intake of fruits and vegetables and polymorphisms in DNA repair genes in bladder cancer. Mutagenesis, 2007, 22, 281-285.	2.6	28
51	DNA repair gene expression level in peripheral blood and tumour tissue from non-small cell lung cancer and head and neck squamous cell cancer patients. DNA Repair, 2012, 11, 374-380.	2.8	28
52	Peripheral Blood DNA Methylation as Potential Biomarker of Malignant Pleural Mesothelioma in Asbestos-Exposed Subjects. Journal of Thoracic Oncology, 2019, 14, 527-539.	1.1	28
53	Polymorphisms in theXRCC1gene modify survival of bladder cancer patients treated with chemotherapy. International Journal of Cancer, 2013, 133, 2004-2009.	5.1	27
54	Prediagnostic telomere length and risk of B-cell lymphoma-Results from the EPIC cohort study. International Journal of Cancer, 2014, 135, 2910-2917.	5.1	26

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55	Interaction between gene polymorphisms of nitric oxide synthase and renin-angiotensin system in the progression of membranous glomerulonephritis. Nephrology Dialysis Transplantation, 2004, 19, 587-595.	0.7	20
56	Lymphoblastoid cell lines from Diamond Blackfan anaemia patients exhibit a full ribosomal stress phenotype that is rescued by gene therapy. Scientific Reports, 2017, 7, 12010.	3.3	19
57	Epigenetic signatures of internal migration in Italy. International Journal of Epidemiology, 2015, 44, 1442-1449.	1.9	17
58	H2AX phosphorylation level in peripheral blood mononuclear cells as an eventâ€free survival predictor for bladder cancer. Molecular Carcinogenesis, 2016, 55, 1833-1842.	2.7	15
59	Validation of the nucleotide excision repair comet assay on cryopreserved PBMCs to measure inter-individual variation in DNA repair capacity. Mutagenesis, 2013, 28, 65-70.	2.6	14
60	Epigenetic Signatures at AQP3 and SOCS3 Engage in Low-Grade Inflammation across Different Tissues. PLoS ONE, 2016, 11, e0166015.	2.5	14
61	Involvement of MRE11A and XPA gene polymorphisms in the modulation of DNA double-strand break repair activity: A genotypeâ€“phenotype correlation study. DNA Repair, 2011, 10, 1044-1050.	2.8	12
62	Inter-individual variation in nucleotide excision repair pathway is modulated by non-synonymous polymorphisms in ERCC4 and MBD4 genes. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2013, 751-752, 49-54.	1.0	10
63	Next generation sequencing and rare genetic variants: From human population studies to medical genetics. Environmental and Molecular Mutagenesis, 2013, 54, 518-532.	2.2	10
64	Telomere Length Variation in Juvenile Acute Myocardial Infarction. PLoS ONE, 2012, 7, e49206.	2.5	10
65	MMP23B expression and protein levels in blood and urine are associated with bladder cancer. Carcinogenesis, 2018, 39, 1254-1263.	2.8	9
66	DNA Methylation of FKBP5 as Predictor of Overall Survival in Malignant Pleural Mesothelioma. Cancers, 2020, 12, 3470.	3.7	9
67	Association Between Total Number of Deaths, Diabetes Mellitus, Incident Cancers, and Haplotypes in Chromosomal Region 8q24 in a Prospective Study. American Journal of Epidemiology, 2012, 175, 479-487.	3.4	8
68	Telomerase activity, telomere length and hTERT DNA methylation in peripheral blood mononuclear cells from monozygotic twins with discordant smoking habits. Environmental and Molecular Mutagenesis, 2017, 58, 551-559.	2.2	8
69	Personalized therapeutic strategies in HER2-driven gastric cancer. Gastric Cancer, 2021, 24, 897-912.	5.3	6
70	New DNA Methylation Signals for Malignant Pleural Mesothelioma Risk Assessment. Cancers, 2021, 13, 2636.	3.7	6
71	Double-strand break DNA repair genotype predictive of later mortality and cancer incidence in a cohort of non-smokers. DNA Repair, 2009, 8, 60-71.	2.8	4
72	Intracoronary Î²-irradiation prevents excessive in-stent neointimal proliferation in de novo lesions of patients with high plasma ACE levels. The BetAce randomized trial. Cardiovascular Revascularization Medicine, 2005, 6, 7-13.	0.8	3

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73	Role of the 12q24.12 locus in the onset of preeclampsia: an Italian case-control study. Journal of Maternal-Fetal and Neonatal Medicine, 2012, 25, 1228-1232.	1.5	2
74	Association between Beta₁-Adrenergic Receptor Polymorphism and Risk of ICD Shock in Heart Failure Patients. PACE - Pacing and Clinical Electrophysiology, 2016, 39, 557-564.	1.2	2
75	Association of serum MicroRNA-145-5p levels with microvascular complications of type 1 Diabetes: The EURODIAB prospective complications study. Diabetes Research and Clinical Practice, 2022, 190, 109987.	2.8	2
76	Improving the prediction of cardiovascular risk with machine-learning and DNA methylation data. , 2019, , .		1
77	Genetic and Epigenetic Characterization of a Discordant KMT2A/AFF1-Rearranged Infant Monozygotic Twin Pair. International Journal of Molecular Sciences, 2021, 22, 9740.	4.1	1
78	Genetics and Epigenetics of Mesothelioma. , 2019, , 45-67.		0