

Sergio Bernardini

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.

110 papers	2,339 citations	24 h-index	44 g-index
123 ext. papers	3,219 ext. citations	5 avg, IF	5.29 L-index

#	Paper	IF	Citations
110	Orexinergic system dysregulation, sleep impairment, and cognitive decline in Alzheimer disease. <i>JAMA Neurology</i> , 2014 , 71, 1498-505	17.2	189
109	MiR-203 controls proliferation, migration and invasive potential of prostate cancer cell lines. <i>Cell Cycle</i> , 2011 , 10, 1121-31	4.7	185
108	The COVID-19 pandemic. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2020 , 57, 365-388	9.4	165
107	COVID-19 Outbreak: An Overview. <i>Chemotherapy</i> , 2019 , 64, 215-223	3.2	128
106	Differential expression of miR-144* as a novel fecal-based diagnostic marker for colorectal cancer. <i>Journal of Gastroenterology</i> , 2011 , 46, 1391-402	6.9	98
105	Novel pharmacokinetic behavior of intravenous busulfan in children with thalassemia undergoing hematopoietic stem cell transplantation: a prospective evaluation of pharmacokinetic and pharmacodynamic profile with therapeutic drug monitoring. <i>Blood</i> , 2010 , 115, 4597-604	2.2	85
104	HLA allele frequencies and susceptibility to COVID-19 in a group of 99 Italian patients. <i>Hla</i> , 2020 , 96, 610-614	1.9	76
103	Rapid eye movement sleep disruption and sleep fragmentation are associated with increased orexin-A cerebrospinal-fluid levels in mild cognitive impairment due to Alzheimer® disease. <i>Neurobiology of Aging</i> , 2016 , 40, 120-126	5.6	67
102	SARS-CoV-2 infection serology: a useful tool to overcome lockdown?. <i>Cell Death Discovery</i> , 2020 , 6, 38	6.9	55
101	Genetic polymorphisms of glutathione S-transferases GSTM1, GSTT1, GSTP1 and GSTA1 as risk factors for schizophrenia. <i>Psychiatry Research</i> , 2011 , 187, 454-6	9.9	52
100	Alzheimer® disease in the omics era. <i>Clinical Biochemistry</i> , 2018 , 59, 9-16	3.5	50
99	Antioxidant Effects of a Hydroxytyrosol-Based Pharmaceutical Formulation on Body Composition, Metabolic State, and Gene Expression: A Randomized Double-Blinded, Placebo-Controlled Crossover Trial. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 2473495	6.7	49
98	Glutathione S-transferase P1 *C allelic variant increases susceptibility for late-onset Alzheimer disease: association study and relationship with apolipoprotein E epsilon4 allele. <i>Clinical Chemistry</i> , 2005 , 51, 944-51	5.5	42
97	Auto-reactions, autoimmunity and psoriatic arthritis. <i>Autoimmunity Reviews</i> , 2015 , 14, 1142-6	13.6	39
96	Interleukin 18 gene polymorphisms predict risk and outcome of Alzheimer® disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2007 , 78, 807-11	5.5	39
95	Mediterranean meal versus Western meal effects on postprandial ox-LDL, oxidative and inflammatory gene expression in healthy subjects: a randomized controlled trial for nutrigenomic approach in cardiometabolic risk. <i>Acta Diabetologica</i> , 2017 , 54, 141-149	3.9	33
94	Key questions about the future of laboratory medicine in the next decade of the 21st century: A report from the IFCC-Emerging Technologies Division. <i>Clinica Chimica Acta</i> , 2019 , 495, 570-589	6.2	32

93	Cerebrospinal fluid levels of a 20-22 kDa NH2 fragment of human tau provide a novel neuronal injury biomarker in Alzheimer's disease and other dementias. <i>Journal of Alzheimer's Disease</i> , 2014 , 42, 211-26	4.3	32
92	Glutathione S-transferase P1 and T1 gene polymorphisms predict longitudinal course and age at onset of Alzheimer disease. <i>American Journal of Geriatric Psychiatry</i> , 2007 , 15, 879-87	6.5	32
91	Obstructive sleep apnea may induce orexinergic system and cerebral β -amyloid metabolism dysregulation: is it a further proof for Alzheimer's disease risk?. <i>Sleep Medicine</i> , 2019 , 56, 171-176	4.6	32
90	Phlebotomy, a bridge between laboratory and patient. <i>Biochemia Medica</i> , 2016 , 26, 17-33	2.5	29
89	Screening of antinuclear antibodies: comparison between enzyme immunoassay based on nuclear homogenates, purified or recombinant antigens and immunofluorescence assay. <i>Clinical Chemistry and Laboratory Medicine</i> , 2004 , 42, 1155-60	5.9	27
88	Sleep-Wake Cycle in Alzheimer's Disease Is Associated with Tau Pathology and Orexin Dysregulation. <i>Journal of Alzheimer's Disease</i> , 2020 , 74, 501-508	4.3	26
87	Hypothalamic dysfunction is related to sleep impairment and CSF biomarkers in Alzheimer's disease. <i>Journal of Neurology</i> , 2017 , 264, 2215-2223	5.5	26
86	Satraplatin (JM-216) mediates G2/M cell cycle arrest and potentiates apoptosis via multiple death pathways in colorectal cancer cells thus overcoming platinum chemo-resistance. <i>Cancer Chemotherapy and Pharmacology</i> , 2011 , 67, 1299-312	3.5	23
85	The circulating miRNAs as diagnostic and prognostic markers. <i>Clinical Chemistry and Laboratory Medicine</i> , 2019 , 57, 932-953	5.9	23
84	Glutathione transferases and glutathionylated hemoglobin in workers exposed to low doses of 1,3-butadiene. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2008 , 17, 3004-12	4	22
83	Role of GSTP1-1 in mediating the effect of As ₂ O ₃ in the Acute Promyelocytic Leukemia cell line NB4. <i>Annals of Hematology</i> , 2006 , 85, 681-7	3	22
82	Prognostic performance of MR-pro-adrenomedullin in patients with community acquired pneumonia in the Emergency Department compared to clinical severity scores PSI and CURB. <i>PLoS ONE</i> , 2017 , 12, e0187702	3.7	21
81	Sleep apnoeas may represent a reversible risk factor for amyloid- β pathology. <i>Brain</i> , 2017 , 140, e75	11.2	21
80	Hypermethylation of the CpG islands in the promoter region of the GSTP1 gene in prostate cancer: a useful diagnostic and prognostic marker?. <i>Clinica Chimica Acta</i> , 2004 , 350, 181-8	6.2	21
79	Low Vitamin D Status at Admission as a Risk Factor for Poor Survival in Hospitalized Patients With COVID-19: An Italian Retrospective Study. <i>Journal of the American College of Nutrition</i> , 2021 , 1-16	3.5	21
78	Total Automation for the Core Laboratory: Improving the Turnaround Time Helps to Reduce the Volume of Ordered STAT Tests. <i>Journal of the Association for Laboratory Automation</i> , 2016 , 21, 451-8		20
77	Analysis of GSTP1-1 polymorphism using real-time polymerase chain reaction. <i>Clinica Chimica Acta</i> , 2003 , 329, 127-32	6.2	20
76	A simplified, non-invasive fecal-based DNA integrity assay and iFOBT for colorectal cancer detection. <i>International Journal of Colorectal Disease</i> , 2011 , 26, 583-92	3	19

75	Effects of lithium and valproic acid on BDNF protein and gene expression in an in vitro human neuron-like model of degeneration. <i>Journal of Psychopharmacology</i> , 2014 , 28, 964-72	4.6	18
74	Effects of postprandial hydroxytyrosol and derivatives on oxidation of LDL, cardiometabolic state and gene expression: a nutrigenomic approach for cardiovascular prevention. <i>Journal of Cardiovascular Medicine</i> , 2019 , 20, 419-426	1.9	18
73	Diagnosis of neurodegenerative dementia: where do we stand, now?. <i>Annals of Translational Medicine</i> , 2018 , 6, 340	3.2	17
72	Cutaneous features of myotonic dystrophy types 1 and 2: Implication of premature aging and vitamin D homeostasis. <i>Neuromuscular Disorders</i> , 2017 , 27, 163-169	2.9	16
71	Emergency management in patients with haemophilia A and inhibitors on prophylaxis with emicizumab: AICE practical guidance in collaboration with SIBioC, SIMEU, SIMEUP, SIPMeL and Siset. <i>Blood Transfusion</i> , 2020 , 18, 143-151	3.6	16
70	Evidence of the pathogenic HERV-W envelope expression in T lymphocytes in association with the respiratory outcome of COVID-19 patients. <i>EBioMedicine</i> , 2021 , 66, 103341	8.8	16
69	The Clinical Use of Cerebrospinal Fluid Biomarkers for Alzheimer's Disease Diagnosis: The Italian Selfie. <i>Journal of Alzheimer's Disease</i> , 2017 , 55, 1659-1666	4.3	15
68	How many biomarkers to discriminate neurodegenerative dementia?. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2015 , 52, 314-26	9.4	14
67	Platinum-(IV)-derivative satraplatin induced G2/M cell cycle perturbation via p53-p21(waf1/cip1)-independent pathway in human colorectal cancer cells. <i>Acta Pharmacologica Sinica</i> , 2011 , 32, 1387-96	8	14
66	SARS-CoV-2 infection serology validation of different methods: Usefulness of IgA in the early phase of infection. <i>Clinica Chimica Acta</i> , 2020 , 511, 28-32	6.2	14
65	Anti-phospholipids antibodies and immune complexes in COVID-19 patients: a putative role in disease course for anti-annexin-V antibodies. <i>Clinical Rheumatology</i> , 2021 , 40, 2939-2945	3.9	14
64	Cerebrospinal Fluid Orexin Levels and Nocturnal Sleep Disruption in Alzheimer's Disease Patients Showing Neuropsychiatric Symptoms. <i>Journal of Alzheimer's Disease</i> , 2018 , 66, 993-999	4.3	14
63	Collaborative AI and Laboratory Medicine integration in precision cardiovascular medicine. <i>Clinica Chimica Acta</i> , 2020 , 509, 67-71	6.2	13
62	Levamisole in Illicit Trafficking Cocaine Seized: A One-Year Study. <i>Journal of Psychoactive Drugs</i> , 2017 , 49, 408-412	3.6	12
61	Vacuolated PAS-positive lymphocytes as an hallmark of Pompe disease and other myopathies related to impaired autophagy. <i>Journal of Cellular Physiology</i> , 2018 , 233, 5829-5837	7	12
60	Improvement of ALT decay kinetics by all-oral HCV treatment: Role of NS5A inhibitors and differences with IFN-based regimens. <i>PLoS ONE</i> , 2017 , 12, e0177352	3.7	11
59	AD biomarker discovery in CSF and in alternative matrices. <i>Clinical Biochemistry</i> , 2019 , 72, 52-57	3.5	11
58	Anti-Inflammatory and Proliferative Properties of Luteolin-7-O-Glucoside. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	11

57	CRBP-1 expression in ovarian cancer: a potential therapeutic target. <i>Anticancer Research</i> , 2014 , 34, 3303-3313	11
56	Luteolin-7-O-Glucoside Inhibits Cellular Energy Production Interacting with HEK2 in Keratinocytes. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3 10
55	Laboratory testing in the emergency department: an Italian Society of Clinical Biochemistry and Clinical Molecular Biology (SIBioC) and Academy of Emergency Medicine and Care (AcEMC) consensus report. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018 , 56, 1655-1659	5.9 10
54	Salivary miRNAome profiling uncovers epithelial and proliferative miRNAs with differential expression across dentition stages. <i>Cell Cycle</i> , 2011 , 10, 3359-68	4.7 10
53	The COVID-19 pandemic: viral variants and vaccine efficacy. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2021 , 1-10	9.4 10
52	Anti-Inflammatory and Active Biological Properties of the Plant-Derived Bioactive Compounds Luteolin and Luteolin 7-Glucoside.. <i>Nutrients</i> , 2022 , 14,	6.7 10
51	Role of gamma-glutamyl cysteine synthetase (gamma-GCS) gene expression as marker of drug sensitivity in acute myeloid leukemias. <i>Clinica Chimica Acta</i> , 2006 , 365, 342-5	6.2 9
50	Bromelain Degrades A β -42 Monomers and Soluble Aggregates: An In Vitro Study in Cerebrospinal Fluid of Alzheimer's Disease Patients. <i>Current Alzheimer Research</i> , 2018 , 15, 628-636	3 9
49	Thymosin Alpha 1 Mitigates Cytokine Storm in Blood Cells From Coronavirus Disease 2019 Patients. <i>Open Forum Infectious Diseases</i> , 2021 , 8, ofaa588	1 9
48	Liver protein profiles in insulin receptor-knockout mice reveal novel molecules involved in the diabetes pathophysiology. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 308, E744-55	6 8
47	Involvement of the Chemokine Prokineticin-2 (PROK2) in Alzheimer's Disease: From Animal Models to the Human Pathology. <i>Cells</i> , 2019 , 8,	7.9 8
46	A Hazelnut-Enriched Diet Modulates Oxidative Stress and Inflammation Gene Expression without Weight Gain. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 4683723	6.7 7
45	The underestimated issue of non-reproducible cardiac troponin I and T results: case series and systematic review of the literature. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021 , 59, 1201-1211	5.9 7
44	Severe insulin resistance in disguise: A familial case of reactive hypoglycemia associated with a novel heterozygous INSR mutation. <i>Pediatric Diabetes</i> , 2018 , 19, 670-674	3.6 6
43	Successful long-term therapy with flecainide in a family with paramyotonia congenita. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018 , 89, 1232-1234	5.5 6
42	Evaluation of serological anti-SARS-CoV-2 chemiluminescent immunoassays correlated to live virus neutralization test, for the detection of anti-RBD antibodies as a relevant alternative in COVID-19 large-scale neutralizing activity monitoring.. <i>Clinical Immunology</i> , 2021 , 234, 108918	9 6
41	Sensor array and gas chromatographic detection of the blood serum volatolomic signature of COVID-19. <i>iScience</i> , 2021 , 24, 102851	6.1 6
40	Low level of plasminogen increases risk for mortality in COVID-19 patients. <i>Cell Death and Disease</i> , 2021 , 12, 773	9.8 6

39	How biomarkers can improve pneumonia diagnosis and prognosis: procalcitonin and mid-regional-pro-adrenomedullin. <i>Biomarkers in Medicine</i> , 2020 , 14, 549-562	2.3	5
38	Performance characteristics of lipoprotein-associated phospholipase A2 activity assay on the Dimension Vista analyser and preliminary study of a healthy Italian population. <i>Biochemia Medica</i> , 2017 , 27, 030701	2.5	5
37	Minimal tumour burden in haematological diseases: a step forward with quantitative assessment of Bence-Jones in nephelometry?. <i>British Journal of Haematology</i> , 2016 , 175, 733-735	4.5	5
36	Quantitative denaturing high performance liquid chromatography (Q-dHPLC) detection of APC long DNA in faeces from patients with colorectal cancer. <i>Clinical Chemistry and Laboratory Medicine</i> , 2010 , 48, 1303-11	5.9	5
35	SARS-CoV-2 Infection and the COVID-19 Pandemic Emergency: The Importance of Diagnostic Methods. <i>Chemotherapy</i> , 2021 , 66, 17-23	3.2	5
34	Plasma concentrations of progesterone and estradiol and the relation to reproduction in Galapagos land iguanas, <i>Conolophus marthae</i> and <i>C. subcristatus</i> (Squamata, Iguanidae). <i>Animal Reproduction Science</i> , 2016 , 172, 105-13	2.1	5
33	The assessment of high sensitivity cardiac troponin in patients with COVID-19: A multicenter study. <i>IJC Heart and Vasculature</i> , 2021 , 32, 100715	2.4	5
32	Nasal and Salivary Mucosal Humoral Immune Response Elicited by mRNA BNT162b2 COVID-19 Vaccine Compared to SARS-CoV-2 Natural Infection.. <i>Vaccines</i> , 2021 , 9,	5.3	5
31	Validation of the Six Sigma Z-score for the quality assessment of clinical laboratory timeliness. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018 , 56, 595-601	5.9	4
30	Role of the keratin 1 and keratin 10 tails in the pathogenesis of ichthyosis hystrix of Curth Macklin. <i>PLoS ONE</i> , 2018 , 13, e0195792	3.7	4
29	Long story short: an introduction to the short-term and longterm Six Sigma quality and its importance in laboratory medicine for the management of extra-analytical processes. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018 , 56, 1838-1845	5.9	4
28	Preanalytical investigations of phlebotomy: methodological aspects, pitfalls and recommendations. <i>Biochemia Medica</i> , 2017 , 27, 177-191	2.5	4
27	Serological anti-SARS-CoV-2 neutralizing antibodies association to live virus neutralizing test titers in COVID-19 paucisymptomatic/symptomatic patients and vaccinated subjects. <i>International Immunopharmacology</i> , 2021 , 101, 108215	5.8	4
26	Analytical performance evaluation of the new GEM Premier β 5000 analyzer in comparison to the GEM Premier β 4000 and the RapidPoint 405 systems. <i>Clinica Chimica Acta</i> , 2018 , 486, 313-319	6.2	4
25	Serum free light chains in patients with ST elevation myocardial infarction (STEMI): A possible correlation with left ventricle dysfunction. <i>International Journal of Cardiology</i> , 2019 , 292, 32-34	3.2	3
24	Stem-Mesenchymal Signature Cell Genes Detected in Heterogeneous Circulating Melanoma Cells Correlate With Disease Stage in Melanoma Patients. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 92	5.6	3
23	MicroRNA expression is dysregulated in narcolepsy: a new evidence?. <i>Sleep Medicine</i> , 2015 , 16, 1027-8	4.6	3
22	GSTP1*B allele increases the risk for asthma in children. <i>Clinical Chemistry and Laboratory Medicine</i> , 2009 , 47, 1451-3	5.9	3

21	Liquid Crystalline Cholesterol-Based Ortho-Palladated Curcumin Complexes as Multifunctional Biomaterials. <i>Molecular Crystals and Liquid Crystals</i> , 2008 , 481, 14-25	0.5	3
20	The combined measurement of high-sensitivity cardiac troponins and natriuretic peptides: a useful tool for clinicians?. <i>Journal of Cardiovascular Medicine</i> , 2020 , 21, 953-963	1.9	3
19	Evaluation of a new simultaneous anti-SARS-CoV-2 IgA, IgM and IgG screening automated assay based on native inactivated virus. <i>International Immunopharmacology</i> , 2021 , 92, 107330	5.8	3
18	Post-Mortem RT-PCR Assay for SARS-CoV-2 RNA in COVID-19 Patients' Corneal Epithelium, Conjunctival and Nasopharyngeal Swabs. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	3
17	Cardiac troponins: are there any differences between T and I?. <i>Journal of Cardiovascular Medicine</i> , 2021 , 22, 797-805	1.9	3
16	Amniotic fluid antiphospholipid antibodies: potential role in antiphospholipid syndrome-independent aberrant implantation process. <i>Reproductive Biology and Endocrinology</i> , 2019 , 17, 79	5	2
15	Lessons Learned from the COVID-19 Pandemic: Emphasizing the Emerging Role and Perspectives from Artificial Intelligence, Mobile Health, and Digital Laboratory Medicine. <i>Electronic Journal of the International Federation of Clinical Chemistry and Laboratory Medicine</i> , 2021 , 32, 224-243	2.4	2
14	Use of a rapid point-of-care molecular test in the triage of suspected COVID-19 cases. <i>Journal of Medical Virology</i> , 2021 , 93, 4088-4089	19.7	2
13	Correlations between chest-CT and laboratory parameters in SARS-CoV-2 pneumonia: A single-center study from Italy. <i>Medicine (United States)</i> , 2021 , 100, e25310	1.8	2
12	Persistence of SARS-CoV-2 Viral RNA in Nasopharyngeal Swabs after Death: An Observational Study. <i>Microorganisms</i> , 2021 , 9,	4.9	2
11	Evaluation of the Diesse Cube 30 touch erythrocyte sedimentation method in comparison with Alifax test 1 and the manual Westergren gold standard method. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2021 , 81, 181-186	2	2
10	Total laboratory automation has the potential to be the field of application of artificial intelligence: the cyber-physical system and "Automation 4.0". <i>Clinical Chemistry and Laboratory Medicine</i> , 2019 , 57, e279-e281	5.9	1
9	Functional impairment of activated protein C in breast cancer - relationship to survival outcomes. <i>American Journal of Cancer Research</i> , 2016 , 6, 1450-7	4.4	1
8	Serum iPTH range in a reference population: From an integrated approach to vitamin D prevalence impact evaluation. <i>Clinica Chimica Acta</i> , 2021 , 521, 1-8	6.2	1
7	Role of MR-proADM in the risk stratification of COVID-19 patients assessed at the triage of the Emergency Department. <i>Critical Care</i> , 2021 , 25, 407	10.8	0
6	Validation of a quantitative lateral flow immunoassay (LFIA)-based point-of-care (POC) rapid test for SARS-CoV-2 neutralizing antibodies.. <i>Archives of Virology</i> , 2022 , 1	2.6	0
5	Editorial comment on: ADAM9 expression is a significant and independent prognostic marker of PSA relapse in prostate cancer. <i>European Urology</i> , 2008 , 54, 1106-7	10.2	
4	How Could POCT be a Useful Tool for Migrant and Refugee Health?. <i>Electronic Journal of the International Federation of Clinical Chemistry and Laboratory Medicine</i> , 2021 , 32, 200-208	2.4	

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| 3 | Early detection of IgH monoclonal rearrangement in follicular spicules of the nose preceding multiple myeloma diagnosis. <i>Giornale Italiano Di Dermatologia E Venereologia</i> , 2020 , 155, 364-366 | 0.8 |
| 2 | Persistence of SARS-CoV-2 viral RNA in nasopharyngeal swabs after death. <i>Journal of Infection</i> , 2021 , 82, e3-e5 | 18.9 |
| 1 | Performance evaluation of the new Chemiluminescence Immunoassay CL-1200i Thyroid Panel.. <i>Journal of Immunoassay and Immunochemistry</i> , 2021 , 1-13 | 1.8 |