

Sergiu P PaÈca

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3935646/publications.pdf>

Version: 2024-02-01

117
papers

10,073
citations

76326

40
h-index

42399

92
g-index

133
all docs

133
docs citations

133
times ranked

10764
citing authors

#	ARTICLE	IF	CITATIONS
1	SERS-based DNA methylation profiling allows the differential diagnosis of malignant lymphadenopathy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 264, 120216.	3.9	11
2	Chromatin dynamics in human brain development and disease. <i>Trends in Cell Biology</i> , 2022, 32, 98-101.	7.9	12
3	A matter of space and time: Emerging roles of disease-associated proteins in neural development. <i>Neuron</i> , 2022, 110, 195-208.	8.1	10
4	Human brain organogenesis: Toward a cellular understanding of development and disease. <i>Cell</i> , 2022, 185, 42-61.	28.9	97
5	Dissecting the molecular basis of human interneuron migration in forebrain assembloids from Timothy syndrome. <i>Cell Stem Cell</i> , 2022, 29, 248-264.e7.	11.1	61
6	Engineering brain assembloids to interrogate human neural circuits. <i>Nature Protocols</i> , 2022, 17, 15-35.	12.0	62
7	Focus on organoids: cooperation and interconnection with extracellular vesicles – Is this the future of in vitro modeling?. <i>Seminars in Cancer Biology</i> , 2022, 86, 367-381.	9.6	5
8	Targeting Cell Death Mechanism Specifically in Triple Negative Breast Cancer Cell Lines. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4784.	4.1	1
9	A tissue-like neurotransmitter sensor for the brain and gut. <i>Nature</i> , 2022, 606, 94-101.	27.8	162
10	Imaging neuronal migration and network activity in human forebrain assembloids. <i>STAR Protocols</i> , 2022, 3, 101478.	1.2	2
11	Research and training in autism spectrum disorder to catalyze the next genomic and neuroscience revolutions. <i>Molecular Psychiatry</i> , 2021, 26, 1429-1431.	7.9	4
12	Long-term maturation of human cortical organoids matches key early postnatal transitions. <i>Nature Neuroscience</i> , 2021, 24, 331-342.	14.8	188
13	Drinking Behavior, Taste Preferences and Special Beer Perception among Romanian University Students: A Qualitative Assessment Research. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3307.	2.6	5
14	The Potential Equivalent of TET2 Mutations. <i>Cancers</i> , 2021, 13, 1499.	3.7	6
15	Primate cell fusion disentangles gene regulatory divergence in neurodevelopment. <i>Nature</i> , 2021, 592, 421-427.	27.8	52
16	Scrutinizing disease states and regulation in human microglia. <i>Nature Genetics</i> , 2021, 53, 766-767.	21.4	0
17	Mapping human brain organoids on a spatial atlas. <i>Cell Stem Cell</i> , 2021, 28, 983-984.	11.1	3
18	Correlation between the prevalence of T-cell lymphomas and alcohol consumption. <i>Medicine and Pharmacy Reports</i> , 2021, 94, 298-306.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Current therapeutic approaches in the management of hemophiliaâ€”a consensus view by the Romanian Society of Hematology. <i>Annals of Translational Medicine</i> , 2021, 9, 1091-1091.	1.7	7
20	SERS-Based Evaluation of the DNA Methylation Pattern Associated With Progression in Clonal Leukemogenesis of Down Syndrome. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 703268.	4.1	6
21	Hepatic Hydrothoraxâ€”An Independent Decompensating Event Associated with Long-Term Mortality in Patients with Cirrhosis. <i>Journal of Clinical Medicine</i> , 2021, 10, 3688.	2.4	11
22	Advancing models of neural development with biomaterials. <i>Nature Reviews Neuroscience</i> , 2021, 22, 593-615.	10.2	60
23	Ibrutinib Monotherapy as Bridge-to-Transplant for Relapsed/Refractory Primary Oculo-Cerebral Lymphoma. <i>Journal of Clinical Medicine</i> , 2021, 10, 4483.	2.4	4
24	Chromatin and gene-regulatory dynamics of the developing human cerebral cortex at single-cell resolution. <i>Cell</i> , 2021, 184, 5053-5069.e23.	28.9	209
25	Implications of TET2 in CAR-T Cell Activity and Target Response to CAR-T Cell Therapy: Lessons Learned from T Cells. <i>Critical Reviews in Immunology</i> , 2021, 41, 13-21.	0.5	3
26	Nanotechnology Enables Novel Modalities for Neuromodulation. <i>Advanced Materials</i> , 2021, 33, e2103208.	21.0	26
27	The Predictive Role of Modified Early Warning Score in 174 Hematological Patients at the Point of Transfer to the Intensive Care Unit. <i>Journal of Clinical Medicine</i> , 2021, 10, .	2.4	0
28	The CD22-IGF2R interaction is a therapeutic target for microglial lysosome dysfunction in Niemann-Pick type C. <i>Science Translational Medicine</i> , 2021, 13, eabg2919.	12.4	18
29	The Predictive Role of Modified Early Warning Score in 174 Hematological Patients at the Point of Transfer to the Intensive Care Unit. <i>Journal of Clinical Medicine</i> , 2021, 10, 4766.	2.4	6
30	Organoid and Assembloid Technologies for Investigating Cellular Crosstalk in Human Brain Development and Disease. <i>Trends in Cell Biology</i> , 2020, 30, 133-143.	7.9	148
31	Generation of human striatal organoids and cortico-striatal assembloids from human pluripotent stem cells. <i>Nature Biotechnology</i> , 2020, 38, 1421-1430.	17.5	206
32	TET2/IDH1/2/WT1 and NPM1 Mutations Influence the RUNX1 Expression Correlations in Acute Myeloid Leukemia. <i>Medicina (Lithuania)</i> , 2020, 56, 637.	2.0	1
33	CYP4F2 and VKORC1 Polymorphisms Amplify the Risk of Carotid Plaque Formation. <i>Genes</i> , 2020, 11, 822.	2.4	6
34	Allogeneic Stem Cell Transplantation for Adult T-Cell Leukemia/Lymphomaâ€”Romanian Experience. <i>Journal of Clinical Medicine</i> , 2020, 9, 2417.	2.4	12
35	Transforming growth factor Î²â€”mediated micromechanics modulates disease progression in primary myelofibrosis. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 11100-11110.	3.6	11
36	Clinical Remission in a 72-Year-Old Patient with a Massive Primary Cutaneous Peripheral T-Cell Lymphoma-NOS of the Eyelid, Following Combination Chemotherapy with Etoposide Plus COP. <i>Diagnostics</i> , 2020, 10, 629.	2.6	0

#	ARTICLE	IF	CITATIONS
37	Overview of the Side-Effects of FDA- and/or EMA-Approved Targeted Therapies for the Treatment of Hematological Malignancies. <i>Journal of Clinical Medicine</i> , 2020, 9, 2903.	2.4	2
38	From Proteomics to Personalized Medicine: The Importance of Isoflavone Dose and Estrogen Receptor Status in Breast Cancer Cells. <i>Journal of Personalized Medicine</i> , 2020, 10, 292.	2.5	6
39	Generation of Functional Human 3D Cortico-Motor Assembloids. <i>Cell</i> , 2020, 183, 1913-1929.e26.	28.9	262
40	B Cells versus T Cells in the Tumor Microenvironment of Malignant Lymphomas. Are the Lymphocytes Playing the Roles of Muhammad Ali versus George Foreman in Zaire 1974?. <i>Journal of Clinical Medicine</i> , 2020, 9, 3412.	2.4	2
41	Continuous renal replacement therapy in cytokine release syndrome following immunotherapy or cellular therapies?. , 2020, 8, e000742.		15
42	The Influence of Methylating Mutations on Acute Myeloid Leukemia: Preliminary Analysis on 56 Patients. <i>Diagnostics</i> , 2020, 10, 263.	2.6	3
43	Genetically targeted chemical assembly of functional materials in living cells, tissues, and animals. <i>Science</i> , 2020, 367, 1372-1376.	12.6	132
44	MicroRNA-155 Implication in M1 Polarization and the Impact in Inflammatory Diseases. <i>Frontiers in Immunology</i> , 2020, 11, 625.	4.8	30
45	Day 15 and Day 33 Minimal Residual Disease Assessment for Acute Lymphoblastic Leukemia Patients Treated According to the BFM ALL IC 2009 Protocol: Single-Center Experience of 133 Cases. <i>Frontiers in Oncology</i> , 2020, 10, 923.	2.8	12
46	SERS-Based Assessment of MRD in Acute Promyelocytic Leukemia?. <i>Frontiers in Oncology</i> , 2020, 10, 1024.	2.8	3
47	Engineering a Magnetic Protein Crystal. <i>Biophysical Journal</i> , 2020, 118, 153a.	0.5	0
48	Chromatin accessibility dynamics in a model of human forebrain development. <i>Science</i> , 2020, 367, .	12.6	187
49	Differential Diagnosis of Malignant Lymphadenopathy Using Flow Cytometry on Fine Needle Aspirate: Report on 269 Cases. <i>Journal of Clinical Medicine</i> , 2020, 9, 283.	2.4	5
50	Single-Center Experience With Epigenetic Treatment for Juvenile Myelomonocytic Leukemia. <i>Frontiers in Oncology</i> , 2020, 10, 484.	2.8	6
51	Neuronal defects in a human cellular model of 22q11.2 deletion syndrome. <i>Nature Medicine</i> , 2020, 26, 1888-1898.	30.7	113
52	Circulating microRNA-194 and microRNA-1228 Could Predict Colon Cancer Proliferation via Phospho S6 Modulation. <i>Journal of Gastrointestinal and Liver Diseases</i> , 2020, 29, 361-367.	0.9	0
53	Approach to the Adult Acute Lymphoblastic Leukemia Patient. <i>Journal of Clinical Medicine</i> , 2019, 8, 1175.	2.4	28
54	Engineered materials for organoid systems. <i>Nature Reviews Materials</i> , 2019, 4, 606-622.	48.7	251

#	ARTICLE	IF	CITATIONS
55	<p>SERS-based differential diagnosis between multiple solid malignancies: breast, colorectal, lung, ovarian and oral cancer</p>. International Journal of Nanomedicine, 2019, Volume 14, 6165-6178.	6.7	62
56	Systemic and Local Factorsâ€™ Influence on the Topological Differences in Deep Vein Thrombosis. Medicina (Lithuania), 2019, 55, 691.	2.0	0
57	KRAS/NRAS/BRAF Mutations as Potential Targets in Multiple Myeloma. Frontiers in Oncology, 2019, 9, 1137.	2.8	15
58	Assessing Measurable Residual Disease in Chronic Myeloid Leukemia. BCR-ABL1 IS in the Avant-Garde of Molecular Hematology. Frontiers in Oncology, 2019, 9, 863.	2.8	5
59	Persistent Basophilia May Suggest an â€œAccelerated Phaseâ€ in the Evolution of CALR-Positive Primary Myelofibrosis Toward Acute Myeloid Leukemia. Frontiers in Oncology, 2019, 9, 872.	2.8	12
60	LEAM vs. BEAM vs. CLV Conditioning Regimen for Autologous Stem Cell Transplantation in Malignant Lymphomas. Retrospective Comparison of Toxicity and Efficacy on 222 Patients in the First 100 Days After Transplant, On Behalf of the Romanian Society for Bone Marrow Transplantation. Frontiers in Oncology, 2019, 9, 892.	2.8	20
61	Engineering a Genetically Encoded Magnetic Protein Crystal. Nano Letters, 2019, 19, 6955-6963.	9.1	19
62	A framework for the investigation of rare genetic disorders in neuropsychiatry. Nature Medicine, 2019, 25, 1477-1487.	30.7	90
63	Differentiation and maturation of oligodendrocytes in human three-dimensional neural cultures. Nature Neuroscience, 2019, 22, 484-491.	14.8	247
64	Role of Key Micronutrients from Nutrigenetic and Nutrigenomic Perspectives in Cancer Prevention. Medicina (Lithuania), 2019, 55, 283.	2.0	30
65	Clinical Approach to the Patient in Critical State Following Immunotherapy and/or Stem Cell Transplantation: Guideline for the On-Call Physician. Journal of Clinical Medicine, 2019, 8, 884.	2.4	14
66	Loss of Adaptive Myelination Contributes to Methotrexate Chemotherapy-Related Cognitive Impairment. Neuron, 2019, 103, 250-265.e8.	8.1	177
67	Human 3D cellular model of hypoxic brain injury of prematurity. Nature Medicine, 2019, 25, 784-791.	30.7	123
68	Transient leukemia of Down syndrome. Critical Reviews in Clinical Laboratory Sciences, 2019, 56, 247-259.	6.1	8
69	Cell diversity in the human cerebral cortex: from the embryo to brain organoids. Current Opinion in Neurobiology, 2019, 56, 194-198.	4.2	73
70	Polarizing brain organoids. Nature Biotechnology, 2019, 37, 377-378.	17.5	16
71	The hidden biology of the human brain. Nature Medicine, 2019, 25, 1655-1655.	30.7	4
72	Letâ€™s Talk About BiTEs and Other Drugs in the Real-Life Setting for B-Cell Acute Lymphoblastic Leukemia. Frontiers in Immunology, 2019, 10, 2856.	4.8	8

#	ARTICLE	IF	CITATIONS
73	Paraoxonase-1 Serum Concentration and PON1 Gene Polymorphisms: Relationship with Non-Alcoholic Fatty Liver Disease. <i>Journal of Clinical Medicine</i> , 2019, 8, 2200.	2.4	18
74	Reliability of human cortical organoid generation. <i>Nature Methods</i> , 2019, 16, 75-78.	19.0	330
75	Assembling human brain organoids. <i>Science</i> , 2019, 363, 126-127.	12.6	141
76	Aberrant calcium channel splicing drives defects in cortical differentiation in Timothy syndrome. <i>ELife</i> , 2019, 8, .	6.0	35
77	Next-generation sequencing-based characterization of the invasion by anatomical contiguity in a primary osseous diffuse large B-cell lymphoma. Correlation between the genetic profile of the malignancy and the clinical outcome of the patient. <i>Histology and Histopathology</i> , 2019, 34, 663-670.	0.7	5
78	A human cellular model of amyotrophic lateral sclerosis. <i>Nature Medicine</i> , 2018, 24, 256-257.	30.7	0
79	The silent healer: miR-205-5p up-regulation inhibits epithelial to mesenchymal transition in colon cancer cells by indirectly up-regulating E-cadherin expression. <i>Cell Death and Disease</i> , 2018, 9, 66.	6.3	78
80	The rise of three-dimensional human brain cultures. <i>Nature</i> , 2018, 553, 437-445.	27.8	373
81	Building three-dimensional human brain organoids. <i>Nature Neuroscience</i> , 2018, , .	14.8	23
82	Fibroblast dynamics as an in vitro screening platform for anti-fibrotic drugs in primary myelofibrosis. <i>Journal of Cellular Physiology</i> , 2018, 233, 422-433.	4.1	9
83	Exosome-carried microRNA-based signature as a cellular trigger for the evolution of chronic lymphocytic leukemia into Richter syndrome. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2018, 55, 501-515.	6.1	27
84	Absent forebrain replaced by embryonic stem cells. <i>Nature</i> , 2018, 563, 44-45.	27.8	3
85	Building Models of Brain Disorders with Three-Dimensional Organoids. <i>Neuron</i> , 2018, 100, 389-405.	8.1	237
86	Genetically enhanced T lymphocytes and the intensive care unit. <i>Oncotarget</i> , 2018, 9, 16557-16572.	1.8	5
87	Generation and assembly of human brain region-specific three-dimensional cultures. <i>Nature Protocols</i> , 2018, 13, 2062-2085.	12.0	262
88	Minimal residual disease in chronic lymphocytic leukemia: A consensus paper that presents the clinical impact of the presently available laboratory approaches. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2018, 55, 329-345.	6.1	14
89	Chimeric Antigen Receptor T-Cells for the Treatment of B-Cell Acute Lymphoblastic Leukemia. <i>Frontiers in Immunology</i> , 2018, 9, 239.	4.8	35
90	The ethics of experimenting with human brain tissue. <i>Nature</i> , 2018, 556, 429-432.	27.8	139

#	ARTICLE	IF	CITATIONS
91	Nondestructive nanostraw intracellular sampling for longitudinal cell monitoring. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1866-E1874.	7.1	124
92	Assembly of functionally integrated human forebrain spheroids. Nature, 2017, 545, 54-59.	27.8	931
93	The Zika threat to the periphery. Nature Neuroscience, 2017, 20, 1191-1192.	14.8	1
94	Human Astrocyte Maturation Captured in 3D Cerebral Cortical Spheroids Derived from Pluripotent Stem Cells. Neuron, 2017, 95, 779-790.e6.	8.1	436
95	MicroRNA-9 Couples Brain Neurogenesis and Angiogenesis. Cell Reports, 2017, 20, 1533-1542.	6.4	90
96	The use of rotation to fentanyl in cancer-related pain. Journal of Pain Research, 2017, Volume 10, 341-348.	2.0	3
97	Personalized Human Cortical Spheroids. American Journal of Psychiatry, 2016, 173, 332-333.	7.2	23
98	Neural Differentiation in the Third Dimension: Generating a Human Midbrain. Cell Stem Cell, 2016, 19, 145-146.	11.1	30
99	Cre-dependent selection yields AAV variants for widespread gene transfer to the adult brain. Nature Biotechnology, 2016, 34, 204-209.	17.5	727
100	A deleterious Nav1.1 mutation selectively impairs telencephalic inhibitory neurons derived from Dravet Syndrome patients. ELife, 2016, 5, .	6.0	101
101	Functional cortical neurons and astrocytes from human pluripotent stem cells in 3D culture. Nature Methods, 2015, 12, 671-678.	19.0	1,220
102	Alteration in basal and depolarization induced transcriptional network in iPSC derived neurons from Timothy syndrome. Genome Medicine, 2014, 6, 75.	8.2	72
103	Generating Human Neurons In Vitro and Using Them to Understand Neuropsychiatric Disease. Annual Review of Neuroscience, 2014, 37, 479-501.	10.7	58
104	Timothy syndrome is associated with activity-dependent dendritic retraction in rodent and human neurons. Nature Neuroscience, 2013, 16, 201-209.	14.8	224
105	Motor abnormalities as a putative endophenotype for Autism Spectrum Disorders. Frontiers in Integrative Neuroscience, 2013, 7, 43.	2.1	37
106	A Promoter in the Coding Region of the Calcium Channel Gene CACNA1C Generates the Transcription Factor CCAT. PLoS ONE, 2013, 8, e60526.	2.5	33
107	Using iPSC-derived neurons to uncover cellular phenotypes associated with Timothy syndrome. Nature Medicine, 2011, 17, 1657-1662.	30.7	521
108	Paraoxonase 1 activities and polymorphisms in autism spectrum disorders. Journal of Cellular and Molecular Medicine, 2010, 14, 600-607.	3.6	21

#	ARTICLE	IF	CITATIONS
109	Surround modulation of neuronal responses in V1 is as stable over time as responses to direct stimulation of receptive fields. <i>Cortex</i> , 2010, 46, 1199-1203.	2.4	4
110	One carbon metabolism disturbances and the C677T MTHFR gene polymorphism in children with autism spectrum disorders. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 4229-4238.	3.6	99
111	Paraoxonase 1 Status, Environmental Exposures, and Oxidative Stress in Autism Spectrum Disorders. , 2009, , 91-112.		0
112	Vomiting is not an adaption for glaucoma (and Darwinian medicine is difficult). <i>Medical Hypotheses</i> , 2008, 71, 472-473.	1.5	5
113	Serum paraoxonase 1 activities and homocysteinemia in hemodialysis patients. <i>Clinical Chemistry and Laboratory Medicine</i> , 2008, 46, 880-1.	2.3	8
114	Behavioral effects of corpus callosum transection and environmental enrichment in adult rats. <i>Behavioural Brain Research</i> , 2006, 172, 135-144.	2.2	14
115	High levels of homocysteine and low serum paraoxonase 1 arylesterase activity in children with autism. <i>Life Sciences</i> , 2006, 78, 2244-2248.	4.3	135
116	Generation and Assembly of Forebrain Spheroids. <i>Protocol Exchange</i> , 0, , .	0.3	1
117	Feeder-free, Xeno-free Generation of Cortical Spheroids From Human Pluripotent Stem Cells. <i>Protocol Exchange</i> , 0, , .	0.3	3