

# Selami Demirci

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

1,417  
citations

361296

20  
h-index

377752

34  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2150  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial Properties of Zeolite-X and Zeolite-A Ion-Exchanged with Silver, Copper, and Zinc Against a Broad Range of Microorganisms. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 1652-1662.	1.4	130
2	Gene therapy for sickle cell disease: An update. <i>Cytotherapy</i> , 2018, 20, 899-910.	0.3	84
3	Boron and Poloxamer (F68 and F127) Containing Hydrogel Formulation for Burn Wound Healing. <i>Biological Trace Element Research</i> , 2015, 168, 169-180.	1.9	80
4	Boron promotes streptozotocin-induced diabetic wound healing: roles in cell proliferation and migration, growth factor expression, and inflammation. <i>Molecular and Cellular Biochemistry</i> , 2016, 417, 119-133.	1.4	68
5	Boron containing poly-(lactide-co-glycolide) (PLGA) scaffolds for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2014, 44, 246-253.	3.8	63
6	Boron Enhances Odontogenic and Osteogenic Differentiation of Human Tooth Germ Stem Cells (hTGSCs) In Vitro. <i>Biological Trace Element Research</i> , 2013, 153, 419-427.	1.9	61
7	BCL11A enhancer-edited hematopoietic stem cells persist in rhesus monkeys without toxicity. <i>Journal of Clinical Investigation</i> , 2020, 130, 6677-6687.	3.9	54
8	Bone marrow characterization in sickle cell disease: inflammation and stress erythropoiesis lead to suboptimal CD34 recovery. <i>British Journal of Haematology</i> , 2019, 186, 286-299.	1.2	49
9	Improvements of Tolerance to Stress Conditions by Genetic Engineering in <i>Saccharomyces Cerevisiae</i> during Ethanol Production. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 28-42.	1.4	47
10	Hematopoietic stem cells from pluripotent stem cells: Clinical potential, challenges, and future perspectives. <i>Stem Cells Translational Medicine</i> , 2020, 9, 1549-1557.	1.6	43
11	A new hope for obesity management: Boron inhibits adipogenesis in progenitor cells through the Wnt/ $\beta^2$ -catenin pathway. <i>Metabolism: Clinical and Experimental</i> , 2017, 69, 130-142.	1.5	39
12	CRISPR/Cas9 for Sickle Cell Disease: Applications, Future Possibilities, and Challenges. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1144, 37-52.	0.8	37
13	Boron increases the cell viability of mesenchymal stem cells after long-term cryopreservation. <i>Cryobiology</i> , 2014, 68, 139-146.	0.3	34
14	Aberrant Clonal Hematopoiesis following Lentiviral Vector Transduction of HSPCs in a Rhesus Macaque. <i>Molecular Therapy</i> , 2019, 27, 1074-1086.	3.7	34
15	Sodium Pentaborate Pentahydrate and Pluronic Containing Hydrogel Increases Cutaneous Wound Healing In Vitro and In Vivo. <i>Biological Trace Element Research</i> , 2014, 162, 72-79.	1.9	33
16	HMG-CoA reductase inhibitor rosuvastatin improves abnormal brain electrical activity via mechanisms involving eNOS. <i>Neuroscience</i> , 2015, 284, 349-359.	1.1	32
17	High-Efficiency Lentiviral Transduction of Human CD34+ Cells in High-Density Culture with Poloxamer and Prostaglandin E2. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019, 13, 187-196.	1.8	31
18	In vitro differentiation of human tooth germ stem cells into endothelial- and epithelial-like cells. <i>Cell Biology International</i> , 2015, 39, 94-103.	1.4	29

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19	Cas9 protein delivery non-integrating lentiviral vectors for gene correction in sickle cell disease. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 21, 121-132.	1.8	25
20	Dental pulp stem cells (DPSCs) increase prostate cancer cell proliferation and migration under in vitro conditions. <i>Tissue and Cell</i> , 2017, 49, 711-718.	1.0	24
21	Dose-dependent Effect of Boric Acid on Myogenic Differentiation of Human Adipose-derived Stem Cells (hADSCs). <i>Biological Trace Element Research</i> , 2015, 165, 123-130.	1.9	22
22	Development of a forward-oriented therapeutic lentiviral vector for hemoglobin disorders. <i>Nature Communications</i> , 2019, 10, 4479.	5.8	21
23	Low-Dose Busulfan Reduces Human CD34+ Cell Doses Required for Engraftment in c-kit Mutant Immunodeficient Mice. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019, 15, 430-437.	1.8	21
24	A Schiff base derivative for effective treatment of diethylnitrosamine-induced liver cancer in vivo. <i>Anti-Cancer Drugs</i> , 2015, 26, 555-564.	0.7	20
25	Determination of antimicrobial properties of Picaridin and DEET against a broad range of microorganisms. <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 407-411.	1.7	19
26	Cytoglobin inhibits migration through PI3K/AKT/mTOR pathway in fibroblast cells. <i>Molecular and Cellular Biochemistry</i> , 2018, 437, 133-142.	1.4	19
27	Biallelic correction of sickle cell disease-derived induced pluripotent stem cells (iPSCs) confirmed at the protein level through serum-free iPSC/erythroid differentiation. <i>Stem Cells Translational Medicine</i> , 2020, 9, 590-602.	1.6	17
28	Antibacterial and cytotoxic properties of boron-containing dental composite. <i>Turkish Journal of Biology</i> , 2015, 39, 417-426.	2.1	16
29	Schiff base-Poloxamer P85 combination demonstrates chemotherapeutic effect on prostate cancer cells in vitro. <i>Biomedicine and Pharmacotherapy</i> , 2017, 86, 492-501.	2.5	15
30	Genome editing strategies for fetal hemoglobin induction in beta-hemoglobinopathies. <i>Human Molecular Genetics</i> , 2020, 29, R100-R106.	1.4	15
31	Preclinical evaluation for engraftment of CD34+ cells gene-edited at the sickle cell disease locus in xenograft mouse and non-human primate models. <i>Cell Reports Medicine</i> , 2021, 2, 100247.	3.3	15
32	Myogenic and neurogenic differentiation of human tooth germ stem cells (hTGSCs) are regulated by pluronic block copolymers. <i>Cytotechnology</i> , 2016, 68, 319-329.	0.7	13
33	Definitive hematopoietic stem/progenitor cells from human embryonic stem cells through serum/feeder-free organoid-induced differentiation. <i>Stem Cell Research and Therapy</i> , 2020, 11, 493.	2.4	13
34	Î²T87Q-Globin Gene Therapy Reduces Sickle Hemoglobin Production, Allowing for Ex Vivo Anti-sickling Activity in Human Erythroid Cells. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 17, 912-921.	1.8	13
35	CRISPR-Cas9 to induce fetal hemoglobin for the treatment of sickle cell disease. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 23, 276-285.	1.8	13
36	A macaque clonal hematopoiesis model demonstrates expansion of TET2-disrupted clones and utility for testing interventions. <i>Blood</i> , 2022, 140, 1774-1789.	0.6	13

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37	Serum-free Erythroid Differentiation for Efficient Genetic Modification and High-Level Adult Hemoglobin Production. <i>Molecular Therapy - Methods and Clinical Development</i> , 2018, 9, 247-256.	1.8	12
38	Design and synthesis of phenylpiperazine derivatives as potent anticancer agents for prostate cancer. <i>Chemical Biology and Drug Design</i> , 2019, 94, 1584-1595.	1.5	12
39	Boron containing compounds promote the survival and the maintenance of pancreatic $\beta$ -cells. <i>Molecular Biology Reports</i> , 2019, 46, 5465-5478.	1.0	11
40	Development of durable antimicrobial surfaces containing silver- and zinc-ion-exchanged zeolites. <i>Turkish Journal of Biology</i> , 2014, 38, 420-427.	2.1	10
41	High-level embryonic globin production with efficient erythroid differentiation from a K562 erythroleukemia cell line. <i>Experimental Hematology</i> , 2018, 62, 7-16.e1.	0.2	10
42	Relationship Not Found Between Blood and Urine Concentrations and Body Mass Index in Humans With Apparently Adequate Boron Status. <i>Biological Trace Element Research</i> , 2016, 171, 246-250.	1.9	9
43	The effects of bisphosphonates on osteonecrosis of jaw bone: a stem cell perspective. <i>Molecular Biology Reports</i> , 2019, 46, 763-776.	1.0	9
44	Regenerative Effect of Resorbable Scaffold Embedded Boron-Nitride/Hydroxyapatite Nanoparticles in Rat Parietal Bone. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 680-691.	0.9	8
45	Cytoglobin: a potential marker for adipogenic differentiation in preadipocytes in vitro. <i>Cytotechnology</i> , 2017, 69, 157-165.	0.7	7
46	Schiff Base-Poloxamer P85 Combination Prevents Prostate Cancer Progression in C57/Bl6 Mice. <i>Prostate</i> , 2016, 76, 1454-1463.	1.2	6
47	Poloxamer P85 increases anticancer activity of Schiff base against prostate cancer in vitro and in vivo. <i>Anti-Cancer Drugs</i> , 2017, 28, 869-879.	0.7	6
48	Robust erythroid differentiation system for rhesus hematopoietic progenitor cells allowing preclinical screening of genetic treatment strategies for the hemoglobinopathies. <i>Cytotherapy</i> , 2018, 20, 1278-1287.	0.3	6
49	Sustained fetal hemoglobin induction in vivo is achieved by <i>BCL11A</i> interference and coexpressed truncated erythropoietin receptor. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	6
50	Durable and Robust Fetal Globin Induction without Anemia in Rhesus Monkeys Following Autologous Hematopoietic Stem Cell Transplant with <i>BCL11A</i> Erythroid Enhancer Editing. <i>Blood</i> , 2019, 134, 4632-4632.	0.6	6
51	Mesenchymal Stem Cell Isolation from Pulp Tissue and Co-Culture with Cancer Cells to Study Their Interactions. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	6
52	Dental Stem Cells vs. Other Mesenchymal Stem Cells: Their Pluripotency and Role in Regenerative Medicine. <i>Pancreatic Islet Biology</i> , 2016, , 109-124.	0.1	5
53	Definitive Erythropoiesis from Pluripotent Stem Cells: Recent Advances and Perspectives. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1107, 1-13.	0.8	5
54	Protective role of Cytoglobin and Neuroglobin against the Lipopolysaccharide (LPS)-induced inflammation in Leydig cells ex vivo. <i>Reproductive Biology</i> , 2022, 22, 100595.	0.9	5

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55	Anticancer activity of Schiff baseâ€‘Poloxamer P85 combination against kidney cancer. International Urology and Nephrology, 2018, 50, 247-255.	0.6	3
56	Fetal hemoglobin and F-cell variance in mobilized CD34+ cell-transplanted rhesus monkeys. Experimental Hematology, 2019, 75, 21-25.e1.	0.2	3
57	The Preventive Effects of Boron-Based Gel on Radiation Dermatitis in Patients Being Treated for Breast Cancer: A Phase III Randomized, Double-Blind, Placebo-Controlled Clinical Trial. Oncology Research and Treatment, 2022, 45, 197-204.	0.8	3
58	Anticandidal activity of hetero-dinuclear copper(II) Mn(II) Schiff base and its potential action of the mechanism. World Journal of Microbiology and Biotechnology, 2017, 33, 202.	1.7	2
59	Preclinical Evaluation for Engraftment of Gene-Edited CD34+ Cells with a Sickle Cell Disease Mutation in a Rhesus Transplantation Model. Blood, 2019, 134, 609-609.	0.6	2
60	Effects of boric acid-linked ampicillin on the rat intra-abdominal sepsis model. Pakistan Journal of Pharmaceutical Sciences, 2019, 32, 477-481.	0.2	1
61	Urinary cellâ€‘free extrachromosomal circular DNAs: A possible biomarker for chronic kidney disease. Clinical and Translational Medicine, 2022, 12, .	1.7	1