

Erdem Kucukal

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

463
citations

759233

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996975

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582
citing authors

#	ARTICLE	IF	CITATIONS
1	<scp>Antithrombinâ€œII</scp> mitigates thrombinâ€œmediated endothelial cell contraction and sickle red blood cell adhesion in microscale flow. British Journal of Haematology, 2022, 198, 893-902.	2.5	3
2	Standardized microfluidic assessment of red blood cellâ€œmediated microcapillary occlusion: Association with clinical phenotype and hydroxyurea responsiveness in sickle cell disease. Microcirculation, 2021, 28, e12662.	1.8	21
3	Emerging point-of-care technologies for anemia detection. Lab on A Chip, 2021, 21, 1843-1865.	6.0	22
4	Point-of-care microchip electrophoresis for integrated anemia and hemoglobin variant testing. Lab on A Chip, 2021, 21, 3863-3875.	6.0	18
5	Whole blood viscosity and red blood cell adhesion: Potential biomarkers for targeted and curative therapies in sickle cell disease. American Journal of Hematology, 2020, 95, 1246-1256.	4.1	42
6	Red blood cell adhesion to ICAM-1 is mediated by fibrinogen and is associated with right-to-left shunts in sickle cell disease. Blood Advances, 2020, 4, 3688-3698.	5.2	28
7	Leukocyte adhesion to P-selectin and the inhibitory role of Crizanlizumab in sickle cell disease: A standardized microfluidic assessment. Blood Cells, Molecules, and Diseases, 2020, 83, 102424.	1.4	35
8	Microfluidic assessment of red blood cell mediated microvascular occlusion. Lab on A Chip, 2020, 20, 2086-2099.	6.0	46
9	Priapism, hemoglobin desaturation, and red blood cell adhesion in men with sickle cell anemia. Blood Cells, Molecules, and Diseases, 2019, 79, 102350.	1.4	16
10	Mercury leads to abnormal red blood cell adhesion to laminin mediated by membrane sulfatides. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 1162-1171.	2.6	12
11	Shear dependent red blood cell adhesion in microscale flow. Integrative Biology (United Kingdom), 2018, 10, 194-206.	1.3	30
12	Red blood cell adhesion to hemeâ€œactivated endothelial cells reflects clinical phenotype in sickle cell disease. American Journal of Hematology, 2018, 93, 1050-1060.	4.1	36
13	Factor XII and uPAR upregulate neutrophil functions to influence wound healing. Journal of Clinical Investigation, 2018, 128, 944-959.	8.2	103
14	Monitoring blood coagulation using a surface-functionalized microfluidic dielectric sensor. , 2017, , .		0
15	Emerging point-of-care technologies for sickle cell disease screening and monitoring. Expert Review of Medical Devices, 2016, 13, 1073-1093.	2.8	49
16	A Miniaturized Microfluidic Dielectric Sensor for Point-of-Care Assessment of Blood Coagulation. Blood, 2016, 128, 3754-3754.	1.4	1