

# Kuldeepsinh P Rana

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1824990/publications.pdf>

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17  
papers

1,070  
citations

687363

13  
h-index

1058476

14  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1926  
citing authors

#	ARTICLE	IF	CITATIONS
1	Age-Related Intimal Stiffening Enhances Endothelial Permeability and Leukocyte Transmigration. Science Translational Medicine, 2011, 3, 112ra122.	12.4	324
2	TRAIL-coated leukocytes that kill cancer cells in the circulation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 930-935.	7.1	182
3	A physical sciences network characterization of non-tumorigenic and metastatic cells. Scientific Reports, 2013, 3, 1449.	3.3	146
4	Delivery of apoptotic signal to rolling cancer cells: A novel biomimetic technique using immobilized TRAIL and E-selectin. Biotechnology and Bioengineering, 2009, 102, 1692-1702.	3.3	61
5	Elastic Behavior and Platelet Retraction in Low- and High-Density Fibrin Gels. Biophysical Journal, 2015, 108, 173-183.	0.5	61
6	Enhanced Fibrinolysis with Magnetically Powered Colloidal Microwheels. Small, 2017, 13, 1700954.	10.0	59
7	Capture and enrichment of CD34 <sup>+</sup> positive haematopoietic stem and progenitor cells from blood circulation using E-selectin in an implantable device. British Journal of Haematology, 2008, 140, 673-681.	2.5	55
8	Blood flow and mass transfer regulation of coagulation. Blood Reviews, 2016, 30, 357-368.	5.7	42
9	Knockdown of fucosyltransferase III disrupts the adhesion of circulating cancer cells to E-selectin without affecting hematopoietic cell adhesion. Carbohydrate Research, 2010, 345, 2334-2342.	2.3	35
10	Inducing Apoptosis in Rolling Cancer Cells: A Combined Therapy with Aspirin and Immobilized TRAIL and E-Selectin. Molecular Pharmaceutics, 2012, 9, 2219-2227.	4.6	28
11	On-chip recalcification of citrated whole blood using a microfluidic herringbone mixer. Biomicrofluidics, 2015, 9, 064106.	2.4	27
12	Biomolecular Surfaces for the Capture and Reprogramming of Circulating Tumor Cells. Journal of Bionic Engineering, 2009, 6, 311-317.	5.0	24
13	A vascular injury model using focal heat-induced activation of endothelial cells. Integrative Biology (United Kingdom), 2015, 7, 801-814.	1.3	14
14	A combined microfluidic-microstencil method for patterning biomolecules and cells. Biomicrofluidics, 2014, 8, 056502.	2.4	9
15	Microfabricated Cavities for Adhesive Capture of Stem Cells Under Flow. , 2007, , .		2
16	Unnatural killer cells: TRAIL-coated leukocytes that kill cancer cells in the circulation. , 2014, , .		1
17	Flow-Based Isolation and Neutralization of Circulating Tumor Cells. , 2009, , .		0