

Raghavendra Palankar

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,930
citations

361413

20
h-index

206112

48
g-index

62
all docs

62
docs citations

62
times ranked

6886
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019, 49, 1457-1973.	2.9	766
2	Guidelines for the use of flow cytometry and cell sorting in immunological studies[*]. <i>European Journal of Immunology</i> , 2017, 47, 1584-1797.	2.9	505
3	Insights in ChAdOx1 nCoV-19 vaccine-induced immune thrombotic thrombocytopenia. <i>Blood</i> , 2021, 138, 2256-2268.	1.4	228
4	Multifunctionalized Polymer Microcapsules: Novel Tools for Biological and Pharmacological Applications. <i>Small</i> , 2007, 3, 944-955.	10.0	223
5	Controlled Intracellular Release of Peptides from Microcapsules Enhances Antigen Presentation on MHC Class I Molecules. <i>Small</i> , 2009, 5, 2168-2176.	10.0	111
6	Antiplatelet factor 4 antibodies causing VITT do not cross-react with SARS-CoV-2 spike protein. <i>Blood</i> , 2021, 138, 1269-1277.	1.4	102
7	Tumour-specific delivery of siRNA-coupled superparamagnetic iron oxide nanoparticles, targeted against PLK1, stops progression of pancreatic cancer. <i>Gut</i> , 2016, 65, 1838-1849.	12.1	71
8	Mechanobiology: Correlation Between Mechanical Stability of Microcapsules Studied by AFM and Impact of Cell-induced Stresses. <i>Small</i> , 2010, 6, 2858-2862.	10.0	69
9	Fabrication of Quantum Dot Microarrays Using Electron Beam Lithography for Applications in Analyte Sensing and Cellular Dynamics. <i>ACS Nano</i> , 2013, 7, 4617-4628.	14.6	66
10	Platelets kill bacteria by bridging innate and adaptive immunity via platelet factor 4 and FcγRIIA. <i>Journal of Thrombosis and Haemostasis</i> , 2018, 16, 1187-1197.	3.8	64
11	Mechanical strength and intracellular uptake of CaCO ₃ -templated LbL capsules composed of biodegradable polyelectrolytes: the influence of the number of layers. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1175.	5.8	51
12	Multifunctional gold nanorods for selective plasmonic photothermal therapy in pancreatic cancer cells using ultra-short pulse near-infrared laser irradiation. <i>Nanoscale</i> , 2015, 7, 5328-5337.	5.6	49
13	Rupture Forces among Human Blood Platelets at different Degrees of Activation. <i>Scientific Reports</i> , 2016, 6, 25402.	3.3	45
14	Role of Platelet Size Revisited—Function and Protein Composition of Large and Small Platelets. <i>Thrombosis and Haemostasis</i> , 2019, 119, 407-420.	3.4	41
15	Comparative analysis of ChAdOx1 nCoV-19 and Ad26.COV2.S SARS-CoV-2 vector vaccines. <i>Haematologica</i> , 2022, 107, 947-957.	3.5	37
16	Design of hybrid multimodal poly(lactic-co-glycolic acid) polymer nanoparticles for neutrophil labeling, imaging and tracking. <i>Nanoscale</i> , 2013, 5, 12624.	5.6	36
17	Nanoplasmonically-Induced Defects in Lipid Membrane Monitored by Ion Current: Transient Nanopores versus Membrane Rupture. <i>Nano Letters</i> , 2014, 14, 4273-4279.	9.1	35
18	Magnetic Nanoparticles as Mediators of Ligand-Free Activation of EGFR Signaling. <i>PLoS ONE</i> , 2013, 8, e68879.	2.5	30

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19	Pathogenesis of vaccine-induced immune thrombotic thrombocytopenia (VITT). <i>Seminars in Hematology</i> , 2022, 59, 97-107.	3.4	30
20	Secreted Immunomodulatory Proteins of <i>Staphylococcus aureus</i> Activate Platelets and Induce Platelet Aggregation. <i>Thrombosis and Haemostasis</i> , 2018, 47, 745-757.	3.4	27
21	Platelet Shape Changes during Thrombus Formation: Role of Actin-Based Protrusions. <i>Hamostaseologie</i> , 2021, 41, 014-021.	1.9	26
22	Pneumolysin induces platelet destruction, not platelet activation, which can be prevented by immunoglobulin preparations in vitro. <i>Blood Advances</i> , 2020, 4, 6315-6326.	5.2	22
23	Reduced platelet forces underlie impaired hemostasis in mouse models of <i>MYH9</i> -related disease. <i>Science Advances</i> , 2022, 8, eabn2627.	10.3	21
24	Magnetic Nanoparticle Labeling of Human Platelets from Platelet Concentrates for Recovery and Survival Studies. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34666-34673.	8.0	19
25	The apelin receptor influences biomechanical and morphological properties of endothelial cells. <i>Journal of Cellular Physiology</i> , 2018, 233, 6250-6261.	4.1	19
26	Quantifying single-platelet biomechanics: An outsider's guide to biophysical methods and recent advances. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2020, 4, 386-401.	2.3	19
27	Specific Capture of Peptide-Receptive Major Histocompatibility Complex Class I Molecules by Antibody Micropatterns Allows for a Novel Peptide-Binding Assay in Live Cells. <i>Small</i> , 2017, 13, 1602974.	10.0	16
28	Label-free on chip quality assessment of cellular blood products using real-time deformability cytometry. <i>Lab on A Chip</i> , 2020, 20, 2306-2316.	6.0	16
29	Micropatterned array to assess the interaction of single platelets with platelet factor 4-heparin-IgG complexes. <i>Thrombosis and Haemostasis</i> , 2014, 111, 862-872.	3.4	13
30	Activated platelets kill <i>Staphylococcus aureus</i> , but not <i>Streptococcus pneumoniae</i> —The role of Fc γ RIIIa and platelet factor 4/heparinantibodies. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 1459-1468.	3.8	13
31	3D Micropillars Guide the Mechanobiology of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Advanced Healthcare Materials</i> , 2016, 5, 335-341.	7.6	12
32	Role of Platelet Cytoskeleton in Platelet Biomechanics: Current and Emerging Methodologies and Their Potential Relevance for the Investigation of Inherited Platelet Disorders. <i>Hamostaseologie</i> , 2020, 40, 337-347.	1.9	12
33	Novel phenotypes observed in patients with <i>ETV6</i> -linked leukaemia/familial thrombocytopenia syndrome and a biallelic <i>ARID5B</i> risk allele as leukaemogenic cofactor. <i>Journal of Medical Genetics</i> , 2020, 57, 427-433.	3.2	11
34	Retrieval of a Metabolite from Cells with Polyelectrolyte Microcapsules. <i>Small</i> , 2010, 6, 2412-2419.	10.0	10
35	Microfluidic Single-Cell Analysis with Affinity Beads. <i>Small</i> , 2015, 11, 2607-2613.	10.0	9
36	Interaction between the <i>Staphylococcus aureus</i> extracellular adherence protein Eap and its subdomains with platelets. <i>International Journal of Medical Microbiology</i> , 2018, 308, 683-691.	3.6	9

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37	Challenging the concept of immunothrombosis. <i>Blood</i> , 2019, 133, 508-509.	1.4	9
38	Function of Large and Small Platelets Differs, Depending on Extracellular Calcium Availability and Type of Inductor. <i>Thrombosis and Haemostasis</i> , 2020, 120, 1075-1086.	3.4	8
39	The Copenhagen founder variant GPIBA c.58T>G is the most frequent cause of inherited thrombocytopenia in Denmark. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 2884-2892.	3.8	6
40	Human neutrophil antigen α antibodies induce neutrophil stiffening and conformational activation of CD11b without shedding of L-selectin. <i>Transfusion</i> , 2015, 55, 2939-2948.	1.6	5
41	The Deglycosylated Form of 1E12, a Monoclonal Anti-PF4 IgG, Strongly Inhibits Antibody-Triggered Cellular Activation in Vaccine-Induced Thrombotic Thrombocytopenia, and Is a Potential New Treatment for TTP. <i>Blood</i> , 2021, 138, 582-582.	1.4	5
42	Ex vivo anticoagulants affect human blood platelet biomechanics with implications for high-throughput functional mechanophenotyping. <i>Communications Biology</i> , 2022, 5, 86.	4.4	5
43	α -hemolysin of <i>Staphylococcus aureus</i> impairs thrombus formation. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 1464-1475.	3.8	5
44	Polyvalent Immunoglobulin Preparations Inhibit Pneumolysin-Induced Platelet Destruction. <i>Thrombosis and Haemostasis</i> , 2021, , .	3.4	4
45	Cytoskeleton Dependent Mobility Dynamics of Fc γ RIIA Facilitates Platelet Haptotaxis and Capture of Opsonized Bacteria. <i>Cells</i> , 2022, 11, 1615.	4.1	3
46	Chapter 2 Functionalized Liposomes. <i>Behavior Research Methods</i> , 2008, 7, 39-58.	4.0	2
47	Divalent magnesium restores cytoskeletal storage lesions in cold-stored platelet concentrates. <i>Scientific Reports</i> , 2022, 12, 6229.	3.3	2
48	Lanthanide-doped nanoparticles for specific recognition of toll-like receptor (TLR) in human neutrophils. <i>RSC Advances</i> , 2014, 4, 15040.	3.6	1
49	Intracellular transport: Small 19/2009. <i>Small</i> , 2009, 5, NA-NA.	10.0	0
50	Retrieval of a Metabolite from Cells with Polyelectrolyte Microcapsules. <i>Biophysical Journal</i> , 2011, 100, 624a.	0.5	0
51	Microfluidics: Microfluidic Single-Cell Analysis with Affinity Beads (Small 22/2015). <i>Small</i> , 2015, 11, 2606-2606.	10.0	0
52	Stem Cell Mechanobiology: 3D Micropillars Guide the Mechanobiology of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes (Adv. Healthcare Mater. 3/2016). <i>Advanced Healthcare Materials</i> , 2016, 5, 334-334.	7.6	0
53	Polymer Capsules and Electroporation. <i>IFMBE Proceedings</i> , 2015, , 789-792.	0.3	0