

# Wadih Arap

## List of Publications by Year in descending order

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Version: 2024-02-01

72  
papers

3,496  
citations

147566

31  
h-index

143772

57  
g-index

82  
all docs

82  
docs citations

82  
times ranked

5215  
citing authors

#	ARTICLE	IF	CITATIONS
1	Steps toward mapping the human vasculature by phage display. <i>Nature Medicine</i> , 2002, 8, 121-127.	15.2	557
2	Biopanning and rapid analysis of selective interactive ligands. <i>Nature Medicine</i> , 2001, 7, 1249-1253.	15.2	256
3	A Hybrid Vector for Ligand-Directed Tumor Targeting and Molecular Imaging. <i>Cell</i> , 2006, 125, 385-398.	13.5	242
4	PRUNE2 is a human prostate cancer suppressor regulated by the intronic long noncoding RNA <i>PCA3</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8403-8408.	3.3	226
5	Ligand-targeted theranostic nanomedicines against cancer. <i>Journal of Controlled Release</i> , 2016, 240, 267-286.	4.8	154
6	Systemic combinatorial peptide selection yields a non-canonical iron-mimicry mechanism for targeting tumors in a mouse model of human glioblastoma. <i>Journal of Clinical Investigation</i> , 2011, 121, 161-173.	3.9	141
7	Aminopeptidase A is a functional target in angiogenic blood vessels. <i>Cancer Cell</i> , 2004, 5, 151-162.	7.7	132
8	Next-Generation Phage Display: Integrating and Comparing Available Molecular Tools to Enable Cost-Effective High-Throughput Analysis. <i>PLoS ONE</i> , 2009, 4, e8338.	1.1	129
9	Discovery of a functional protein complex of netrin-4, laminin $\beta 1$ chain, and integrin $\alpha 2 \beta 1$ in mouse neural stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2903-2908.	3.3	92
10	Nna1 Mediates Purkinje Cell Dendritic Development via Lysyl Oxidase Propeptide and NF- $\kappa$ B Signaling. <i>Neuron</i> , 2010, 68, 45-60.	3.8	67
11	Pulmonary Targeting of Adeno-associated Viral Vectors by Next-generation Sequencing-guided Screening of Random Capsid Displayed Peptide Libraries. <i>Molecular Therapy</i> , 2016, 24, 1050-1061.	3.7	65
12	Integrated nanotechnology platform for tumor-targeted multimodal imaging and therapeutic cargo release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1877-1882.	3.3	55
13	A total transcriptome profiling method for plasma-derived extracellular vesicles: applications for liquid biopsies. <i>Scientific Reports</i> , 2017, 7, 14395.	1.6	55
14	Selection and identification of ligand peptides targeting a model of castrate-resistant osteogenic prostate cancer and their receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3776-3781.	3.3	53
15	Prohibitin/annexin 2 interaction regulates fatty acid transport in adipose tissue. <i>JCI Insight</i> , 2016, 1, .	2.3	51
16	BCAM and LAMA5 Mediate the Recognition between Tumor Cells and the Endothelium in the Metastatic Spreading of KRAS-Mutant Colorectal Cancer. <i>Clinical Cancer Research</i> , 2016, 22, 4923-4933.	3.2	50
17	The peptidomimetic Vasotide targets two retinal VEGF receptors and reduces pathological angiogenesis in murine and nonhuman primate models of retinal disease. <i>Science Translational Medicine</i> , 2015, 7, 309ra165.	5.8	46
18	Targeting the interleukin-11 receptor $\beta$ in metastatic prostate cancer: A first-in-man study. <i>Cancer</i> , 2015, 121, 2411-2421.	2.0	44

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19	Discovery and horizontal follow-up of an autoantibody signature in human prostate cancer. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2515-2520.	3.3	42
20	AAVP displaying octreotide for ligand-directed therapeutic transgene delivery in neuroendocrine tumors of the pancreas. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2466-2471.	3.3	41
21	Mathematical prediction of clinical outcomes in advanced cancer patients treated with checkpoint inhibitor immunotherapy. Science Advances, 2020, 6, eaay6298.	4.7	41
22	Beyond Receptor Expression Levels: The Relevance of Target Accessibility in Ligand-Directed Pharmacodelivery Systems. Trends in Cardiovascular Medicine, 2008, 18, 126-133.	2.3	39
23	Synchronous down-modulation of miR-17 family members is an early causative event in the retinal angiogenic switch. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3770-3775.	3.3	39
24	Targeted molecular-genetic imaging and ligand-directed therapy in aggressive variant prostate cancer. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12786-12791.	3.3	39
25	A multifunctional streptococcal collagen-mimetic protein coating prevents bacterial adhesion and promotes osteoid formation on titanium. Acta Biomaterialia, 2014, 10, 3354-3362.	4.1	38
26	Intracellular targeting of annexin A2 inhibits tumor cell adhesion, migration, and in vivo grafting. Scientific Reports, 2017, 7, 4243.	1.6	38
27	Emerging Pharmacologic Targets in Cerebral Cavernous Malformation and Potential Strategies to Alter the Natural History of a Difficult Disease. JAMA Neurology, 2019, 76, 492.	4.5	36
28	Tissue plasminogen activator regulates Purkinje neuron development and survival. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2410-9.	3.3	35
29	Self-targeting of TNF-releasing cancer cells in preclinical models of primary and metastatic tumors. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2223-2228.	3.3	35
30	Design and proof of concept for targeted phage-based COVID-19 vaccination strategies with a streamlined cold-free supply chain. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	35
31	Fatty acid mobilization from adipose tissue is mediated by CD36 posttranslational modifications and intracellular trafficking. JCI Insight, 2021, 6, .	2.3	34
32	Next-generation of targeted AAVP vectors for systemic transgene delivery against cancer. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18571-18577.	3.3	33
33	Trends in United States Prostate Cancer Incidence Rates by Age and Stage, 1995â€“2012. Cancer Epidemiology Biomarkers and Prevention, 2016, 25, 259-263.	1.1	32
34	A Ligand Peptide Motif Selected from a Cancer Patient Is a Receptor-Interacting Site within Human Interleukin-11. PLoS ONE, 2008, 3, e3452.	1.1	31
35	Towards a transcriptome-based theranostic platform for unfavorable breast cancer phenotypes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12780-12785.	3.3	31
36	TLR9/MyD88/TRIF signaling activates host immune inhibitory CD200 in Leishmania infection. JCI Insight, 2019, 4, .	2.3	31

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37	Anti-GRP78 autoantibodies induce endothelial cell activation and accelerate the development of atherosclerotic lesions. JCI Insight, 2018, 3, .	2.3	31
38	The loss-of-function PCSK9Q152H variant increases ER chaperones GRP78 and GRP94 and protects against liver injury. Journal of Clinical Investigation, 2021, 131, .	3.9	29
39	Targeted AAVP-based therapy in a mouse model of human glioblastoma: a comparison of cytotoxic versus suicide gene delivery strategies. Cancer Gene Therapy, 2020, 27, 301-310.	2.2	26
40	The Neuronal Pentraxin-2 Pathway Is an Unrecognized Target in Human Neuroblastoma, Which Also Offers Prognostic Value in Patients. Cancer Research, 2015, 75, 4265-4271.	0.4	20
41	Interleukin-11 Receptor Is a Candidate Target for Ligand-Directed Therapy in Lung Cancer. American Journal of Pathology, 2016, 186, 2162-2170.	1.9	18
42	Targeted phage display-based pulmonary vaccination in mice and non-human primates. Med, 2021, 2, 321-342.e8.	2.2	18
43	Targeting a cell surface vitamin D receptor on tumor-associated macrophages in triple-negative breast cancer. ELife, 2021, 10, .	2.8	18
44	Predicting breast cancer response to neoadjuvant chemotherapy based on tumor vascular features in needle biopsies. JCI Insight, 2019, 4, .	2.3	17
45	Predicting Proteome-Scale Protein Structure with Artificial Intelligence. New England Journal of Medicine, 2021, 385, 2191-2194.	13.9	17
46	Ligand-directed targeting of lymphatic vessels uncovers mechanistic insights in melanoma metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2521-2526.	3.3	16
47	Does the RAAS play a role in loss of taste and smell during COVID-19 infections?. Pharmacogenomics Journal, 2021, 21, 109-115.	0.9	16
48	Selection of phage-displayed accessible recombinant targeted antibodies (SPARTA): methodology and applications. JCI Insight, 2018, 3, .	2.3	15
49	A ligand motif enables differential vascular targeting of endothelial junctions between brain and retina. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2300-2305.	3.3	14
50	A Mathematical Model to Estimate Chemotherapy Concentration at the Tumor-Site and Predict Therapy Response in Colorectal Cancer Patients with Liver Metastases. Cancers, 2021, 13, 444.	1.7	14
51	Targeting IL11 Receptor in Leukemia and Lymphoma: A Functional Ligand-Directed Study and Hematopathology Analysis of Patient-Derived Specimens. Clinical Cancer Research, 2015, 21, 3041-3051.	3.2	13
52	Going viral? Linking the etiology of human prostate cancer to the <i>long noncoding RNA</i> and oncogenic viruses. EMBO Molecular Medicine, 2017, 9, 1327-1330.	3.3	10
53	A refined genome phage display methodology delineates the human antibody response in patients with Chagas disease. IScience, 2021, 24, 102540.	1.9	10
54	Nna1 gene deficiency triggers Purkinje neuron death by tubulin hyperglutamylation and ER dysfunction. JCI Insight, 2020, 5, .	2.3	10

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55	Brain endothelial cell-targeted gene therapy of neurovascular disorders. <i>EMBO Molecular Medicine</i> , 2016, 8, 592-594.	3.3	9
56	MLH1-rheMac hereditary nonpolyposis colorectal cancer syndrome in rhesus macaques. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2806-2811.	3.3	9
57	Biobehavioral effects of Tai Chi Qigong in men with prostate cancer: Study design of a three-arm randomized clinical trial. <i>Contemporary Clinical Trials Communications</i> , 2019, 16, 100431.	0.5	9
58	Repurposing Ferumoxytol as a Breast Cancer-Associated Macrophage Tracer with Five-Dimensional Quantitative [Fe]MRI of SPION Dynamics. <i>Cancers</i> , 2021, 13, 3802.	1.7	8
59	Early prediction of clinical response to checkpoint inhibitor therapy in human solid tumors through mathematical modeling. <i>ELife</i> , 2021, 10, .	2.8	8
60	Genomic landscape of lymphatic malformations: a case series and response to the PI3K inhibitor alpelisib in an N-of-1 clinical trial. <i>ELife</i> , 0, 11, .	2.8	8
61	Genetic and Structural Analysis of SARS-CoV-2 Spike Protein for Universal Epitope Selection. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	7
62	CTHRSSVC Peptide as a Possible Early Molecular Imaging Target for Atherosclerosis. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1383.	1.8	6
63	Is the worst of the COVID-19 global pandemic yet to come? Application of financial mathematics as candidate predictive tools. <i>Translational Psychiatry</i> , 2021, 11, 299.	2.4	6
64	Bone marrow-derived CD13+ cells sustain tumor progression. <i>Oncolmmunology</i> , 2014, 3, e27716.	2.1	5
65	Prostate Cancer Progression and the Epigenome. <i>New England Journal of Medicine</i> , 2020, 383, 2287-2290.	13.9	5
66	Eph receptors as cancer targets for antibody-based therapy. <i>Advances in Cancer Research</i> , 2020, 147, 303-317.	1.9	4
67	Ligand-Directed Profiling of Organelles with Internalizing Phage Libraries. <i>Current Protocols in Protein Science</i> , 2015, 79, 30.4.1-30.4.30.	2.8	2
68	Linear mRNA amplification approach for RNAseq from limited amount of RNA. <i>Gene</i> , 2015, 564, 220-227.	1.0	2
69	Protocol for design, construction, and selection of genome phage (gPhage) display libraries. <i>STAR Protocols</i> , 2021, 2, 100936.	0.5	2
70	Response to Comment on "A Peptidomimetic Targeting White Fat Causes Weight Loss and Improved Insulin Resistance in Obese Monkeys" Science Translational Medicine, 2012, 4, .	5.8	0
71	An Anti-Ubiquitin Antibody Response in Transitional Cell Carcinoma of the Urinary Bladder. <i>PLoS ONE</i> , 2015, 10, e0118646.	1.1	0
72	Decoding Tumor Zip Codes to Design Targeted Drugs to Treat Leukemia, Lymphoma, and Solid Tumors. , 2016, 13, .		0