# Wadih Arap

List of Publications by Year
in descending order

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|---|---|---|---|
| 72<br>papers | 3,496<br>citations | 147566<br>31<br>h-index | 143772<br>57<br>g-index |
| 82<br>all docs | 82<br>docs citations | 82<br>times ranked | 5215<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Genetic and Structural Analysis of SARS-CoV-2 Spike Protein for Universal Epitope Selection. Molecular Biology and Evolution, 2022, 39, . | 3.5 | 7 |
| 2 | 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 |
| 3 | 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 |
| 4 | Targeted phage display-based pulmonary vaccination in mice and non-human primates. Med, 2021, 2, 321-342.e8. | 2.2 | 18 |
| 5 | Is the worst of the COVID-19 global pandemic yet to come? Application of financial mathematics as candidate predictive tools. Translational Psychiatry, 2021, 11, 299. | 2.4 | 6 |
| 6 | A refined genome phage display methodology delineates the human antibody response in patients with Chagas disease. IScience, 2021, 24, 102540. | 1.9 | 10 |
| 7 | Targeting a cell surface vitamin D receptor on tumor-associated macrophages in triple-negative breast cancer. ELife, 2021, 10, . | 2.8 | 18 |
| 8 | Repurposing Ferumoxytol as a Breast Cancer-Associated Macrophage Tracer with Five-Dimensional Quantitative [Fe]MRI of SPION Dynamics. Cancers, 2021, 13, 3802. | 1.7 | 8 |
| 9 | 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 |
| 10 | Fatty acid mobilization from adipose tissue is mediated by CD36 posttranslational modifications and intracellular trafficking. JCI Insight, 2021, 6, . | 2.3 | 34 |
| 11 | 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 |
| 12 | Early prediction of clinical response to checkpoint inhibitor therapy in human solid tumors through mathematical modeling. ELife, 2021, 10, . | 2.8 | 8 |
| 13 | Protocol for design, construction, and selection of genome phage (gPhage) display libraries. STAR Protocols, 2021, 2, 100936. | 0.5 | 2 |
| 14 | Predicting Proteome-Scale Protein Structure with Artificial Intelligence. New England Journal of Medicine, 2021, 385, 2191-2194. | 13.9 | 17 |
| 15 | 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 |
| 16 | Prostate Cancer Progression and the Epigenome. New England Journal of Medicine, 2020, 383, 2287-2290. | 13.9 | 5 |
| 17 | Mathematical prediction of clinical outcomes in advanced cancer patients treated with checkpoint inhibitor immunotherapy. Science Advances, 2020, 6, eaay6298. | 4.7 | 41 |
| 18 | Eph receptors as cancer targets for antibody-based therapy. Advances in Cancer Research, 2020, 147, 303-317. | 1.9 | 4 |

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|---|---|---|---|
| 19 | Nna1 gene deficiency triggers Purkinje neuron death by tubulin hyperglutamylation and ER dysfunction. JCI Insight, 2020, 5, . | 2.3 | 10 |
| 20 | 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 |
| 21 | Biobehavioral effects of Tai Chi Qigong in men with prostate cancer: Study design of a three-arm randomized clinical trial. Contemporary Clinical Trials Communications, 2019, 16, 100431. | 0.5 | 9 |
| 22 | 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 |
| 23 | 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 |
| 24 | TLR9/MyD88/TRIF signaling activates host immune inhibitory CD200 in Leishmania infection. JCI Insight, 2019, 4, . | 2.3 | 31 |
| 25 | Predicting breast cancer response to neoadjuvant chemotherapy based on tumor vascular features in needle biopsies. JCI Insight, 2019, 4, . | 2.3 | 17 |
| 26 | MLH1-rheMac hereditary nonpolyposis colorectal cancer syndrome in rhesus macaques. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2806-2811. | 3.3 | 9 |
| 27 | Selection of phage-displayed accessible recombinant targeted antibodies (SPARTA): methodology and applications. JCI Insight, 2018, 3, . | 2.3 | 15 |
| 28 | Anti-GRP78 autoantibodies induce endothelial cell activation and accelerate the development of atherosclerotic lesions. JCI Insight, 2018, 3, . | 2.3 | 31 |
| 29 | A total transcriptome profiling method for plasma-derived extracellular vesicles: applications for liquid biopsies. Scientific Reports, 2017, 7, 14395. | 1.6 | 55 |
| 30 | Going viral? Linking the etiology of human prostate cancer to the  <scp>PCA</scp> 3  long noncoding <scp>RNA</scp> and oncogenic viruses. EMBO Molecular Medicine, 2017, 9, 1327-1330. | 3.3 | 10 |
| 31 | Intracellular targeting of annexin A2 inhibits tumor cell adhesion, migration, and in vivo grafting. Scientific Reports, 2017, 7, 4243. | 1.6 | 38 |
| 32 | CTHRSSVVC Peptide as a Possible Early Molecular Imaging Target for Atherosclerosis. International Journal of Molecular Sciences, 2016, 17, 1383. | 1.8 | 6 |
| 33 | Brain endothelial cellâ€targeted gene therapy of neurovascular disorders. EMBO Molecular Medicine, 2016, 8, 592-594. | 3.3 | 9 |
| 34 | Pulmonary Targeting of Adeno-associated Viral Vectors by Next-generation Sequencing-guided Screening of Random Capsid Displayed Peptide Libraries. Molecular Therapy, 2016, 24, 1050-1061. | 3.7 | 65 |
| 35 | BCAM and LAMA5 Mediate the Recognition between Tumor Cells and the Endothelium in the Metastatic Spreading of KRAS-Mutant Colorectal Cancer. Clinical Cancer Research, 2016, 22, 4923-4933. | 3.2 | 50 |
| 36 | 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 |

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|---|---|---|---|
| 37 | 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 |
| 38 | 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 |
| 39 | Ligand-targeted theranostic nanomedicines against cancer. Journal of Controlled Release, 2016, 240, 267-286. | 4.8 | 154 |
| 40 | 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 |
| 41 | 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 |
| 42 | Integrated nanotechnology platform for tumor-targeted multimodal imaging and therapeutic cargo release. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1877-1882. | 3.3 | 55 |
| 43 | 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 |
| 44 | Prohibitin/annexin 2 interaction regulates fatty acid transport in adipose tissue. JCI Insight, 2016, 1, . | 2.3 | 51 |
| 45 | Decoding Tumor Zip Codes to Design Targeted Drugs to Treat Leukemia, Lymphoma, and Solid Tumors. , 2016, 13, . | | 0 |
| 46 | Targeting the interleukinâ€11 receptor Î± in metastatic prostate cancer: A firstâ€inâ€man study. Cancer, 2015, 121, 2411-2421. | 2.0 | 44 |
| 47 | 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 |
| 48 | Ligandâ€Directed Profiling of Organelles with Internalizing Phage Libraries. Current Protocols in Protein Science, 2015, 79, 30.4.1-30.4.30. | 2.8 | 2 |
| 49 | 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 |
| 50 | PRUNE2 is a human prostate cancer suppressor regulated by the intronic long noncoding RNA PCA3. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8403-8408. | 3.3 | 226 |
| 51 | 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 |
| 52 | 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 |
| 53 | Linear mRNA amplification approach for RNAseq from limited amount of RNA. Gene, 2015, 564, 220-227. | 1.0 | 2 |
| 54 | Selection and identification of ligand peptides targeting a model of castrate-resistant osteogenic prostate cancer and their receptors. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3776-3781. | 3.3 | 53 |

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|---|---|---|---|
| 55 | The peptidomimetic Vasotide targets two retinal VEGF receptors and reduces pathological angiogenesis in murine and nonhuman primate models of retinal disease. Science Translational Medicine, 2015, 7, 309ra165. | 5.8 | 46 |
| 56 | 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 |
| 57 | An Anti-Ubiquitin Antibody Response in Transitional Cell Carcinoma of the Urinary Bladder. PLoS ONE, 2015, 10, e0118646. | 1.1 | 0 |
| 58 | Bone marrow-derived CD13+cells sustain tumor progression. OncoImmunology, 2014, 3, e27716. | 2.1 | 5 |
| 59 | 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 |
| 60 | 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 |
| 61 | Response to Comment on â€œA Peptidomimetic Targeting White Fat Causes Weight Loss and Improved Insulin Resistance in Obese Monkeysâ€. Science Translational Medicine, 2012, 4, . | 5.8 | 0 |
| 62 | Systemic combinatorial peptide selection yields a non-canonical iron-mimicry mechanism for targeting tumors in a mouse model of human glioblastoma. Journal of Clinical Investigation, 2011, 121, 161-173. | 3.9 | 141 |
| 63 | Nna1 Mediates Purkinje Cell Dendritic Development via Lysyl Oxidase Propeptide and NF-Î¹B Signaling. Neuron, 2010, 68, 45-60. | 3.8 | 67 |
| 64 | Next-Generation Phage Display: Integrating and Comparing Available Molecular Tools to Enable Cost-Effective High-Throughput Analysis. PLoS ONE, 2009, 4, e8338. | 1.1 | 129 |
| 65 | Discovery of a functional protein complex of netrin-4, laminin Î³1 chain, and integrin Î±6Î²1 in mouse neural stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2903-2908. | 3.3 | 92 |
| 66 | 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 |
| 67 | 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 |
| 68 | A Hybrid Vector for Ligand-Directed Tumor Targeting and Molecular Imaging. Cell, 2006, 125, 385-398. | 13.5 | 242 |
| 69 | Aminopeptidase A is a functional target in angiogenic blood vessels. Cancer Cell, 2004, 5, 151-162. | 7.7 | 132 |
| 70 | Steps toward mapping the human vasculature by phage display. Nature Medicine, 2002, 8, 121-127. | 15.2 | 557 |
| 71 | Biopanning and rapid analysis of selective interactive ligands. Nature Medicine, 2001, 7, 1249-1253. | 15.2 | 256 |
| 72 | Genomic landscape of lymphatic malformations: a case series and response to the PI3KÎ± inhibitor alpelisib in an N-of-1 clinical trial. ELife, 0, 11, . | 2.8 | 8 |