Sarah Shigdar

List of Publications by Year
in descending order

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59 papers	3,073 citations	172457 29 h-index	155660 55 g-index
60 all docs	60 docs citations	60 times ranked	4952 citing authors

#	Article	IF	Citations
1	Cancer stem cells: A contentious hypothesis now moving forward. Cancer Letters, 2014, 344, 180-187.	7.2	217
2	RNA aptamer against a cancer stem cell marker epithelial cell adhesion molecule. Cancer Science, 2011, 102, 991-998.	3.9	199
3	Nucleic Acid Aptamer-Guided Cancer Therapeutics and Diagnostics: the Next Generation of Cancer Medicine. Theranostics, 2015, 5, 23-42.	10.0	184
4	RNA aptamers targeting cancer stem cell marker CD133. Cancer Letters, 2013, 330, 84-95.	7.2	157
5	Epithelial cell adhesion molecule (EpCAM) is associated with prostate cancer metastasis and chemo/radioresistance via the PI3K/Akt/mTOR signaling pathway. International Journal of Biochemistry and Cell Biology, 2013, 45, 2736-2748.	2.8	155
6	Inhibition of A/Human/Hubei/3/2005 (H3N2) influenza virus infection by silver nanoparticles in vitro and in vivo. International Journal of Nanomedicine, 2013, 8, 4103.	6.7	155
7	Superior Performance of Aptamer in Tumor Penetration over Antibody: Implication of Aptamer-Based Theranostics in Solid Tumors. Theranostics, 2015, 5, 1083-1097.	10.0	147
8	Cancer stem cell targeted therapy: progress amid controversies. Oncotarget, 2015, 6, 44191-44206.	1.8	129
9	CD44 variant 6 is associated with prostate cancer metastasis and chemoâ€/radioresistance. Prostate, 2014, 74, 602-617.	2.3	126
10	Inflammation and cancer stem cells. Cancer Letters, 2014, 345, 271-278.	7.2	105
11	Aptamers as Theranostic Agents: Modifications, Serum Stability and Functionalisation. Sensors, 2013, 13, 13624-13637.	3.8	104
12	EpCAM Aptamer-mediated Survivin Silencing Sensitized Cancer Stem Cells to Doxorubicin in a Breast Cancer Model. Theranostics, 2015, 5, 1456-1472.	10.0	84
13	Challenges and opportunities for siRNA-based cancer treatment. Cancer Letters, 2017, 387, 77-83.	7.2	82
14	Development of a Bifunctional Aptamer Targeting the Transferrin Receptor and Epithelial Cell Adhesion Molecule (EpCAM) for the Treatment of Brain Cancer Metastases. ACS Chemical Neuroscience, 2017, 8, 777-784.	3.5	75
15	Epithelial cell adhesion molecule aptamer functionalized PLGA-lecithin-curcumin-PEG nanoparticles for targeted drug delivery to human colorectal adenocarcinoma cells. International Journal of Nanomedicine, 2014, 9, 1083.	6.7	72
16	Transforming doxorubicin into a cancer stem cell killer via EpCAM aptamer-mediated delivery. Theranostics, 2017, 7, 4071-4086.	10.0	70
17	Role of the EpCAM (CD326) in prostate cancer metastasis and progression. Cancer and Metastasis Reviews, 2012, 31, 779-791.	5.9	68
18	Overcoming acquired drug resistance in colorectal cancer cells by targeted delivery of 5-FU with EGF grafted hollow mesoporous silica nanoparticles. Nanoscale, 2015, 7, 14080-14092.	5.6	68

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19	Anything You Can Do, I Can Do Better: Can Aptamers Replace Antibodies in Clinical Diagnostic Applications?. Molecules, 2019, 24, 4377.	3.8	65
20	Fabrication of high specificity hollow mesoporous silica nanoparticles assisted by Eudragit for targeted drug delivery. Journal of Colloid and Interface Science, 2015, 445, 151-160.	9.4	59
21	Truncation and Mutation of a Transferrin Receptor Aptamer Enhances Binding Affinity. Nucleic Acid Therapeutics, 2016, 26, 348-354.	3.6	56
22	Aptamers: Cutting edge of cancer therapies. Molecular Therapy, 2021, 29, 2396-2411.	8.2	52
23	EpCAM Immunotherapy versus Specific Targeted Delivery of Drugs. Cancers, 2018, 10, 19.	3.7	46
24	Bifunctional Aptamerâ€“Doxorubicin Conjugate Crosses the Bloodâ€“Brain Barrier and Selectively Delivers Its Payload to EpCAM-Positive Tumor Cells. Nucleic Acid Therapeutics, 2020, 30, 117-128.	3.6	41
25	The Use of Sensitive Chemical Antibodies for Diagnosis: Detection of Low Levels of Epcam in Breast Cancer. PLoS ONE, 2013, 8, e57613.	2.5	40
26	Aptamer-mediated survivin RNAi enables 5-fluorouracil to eliminate colorectal cancer stem cells. Scientific Reports, 2017, 7, 5898.	3.3	40
27	Development of Cell-Specific Aptamers: Recent Advances and Insight into the Selection Procedures. Molecules, 2017, 22, 2070.	3.8	35
28	Cytochemical characterisation of the leucocytes and thrombocytes from Murray cod (Maccullochella peelii peelii, Mitchell). Fish and Shellfish Immunology, 2009, 26, 731-736.	3.6	33
29	Cancer stem cell targeting: the next generation of cancer therapy and molecular imaging. Therapeutic Delivery, 2012, 3, 227-244.	2.2	32
30	Aptamers and Glioblastoma: Their Potential Use for Imaging and Therapeutic Applications. International Journal of Molecular Sciences, 2017, 18, 2576.	4.1	31
31	Clinical applications of aptamers and nucleic acid therapeutics in haematological malignancies. British Journal of Haematology, 2011, 155, 3-13.	2.5	30
32	Enhanced Antitumor Efficacy and Reduced Systemic Toxicity of Sulfatide-Containing Nanoliposomal Doxorubicin in a Xenograft Model of Colorectal Cancer. PLoS ONE, 2012, 7, e49277.	2.5	29
33	The Application of Aptamers for Immunohistochemistry. Nucleic Acid Therapeutics, 2016, 26, 120-126.	3.6	22
34	Antibodies, Nanobodies, or Aptamersâ€”Which Is Best for Deciphering the Proteomes of Non-Model Species?. International Journal of Molecular Sciences, 2020, 21, 2485.	4.1	22
35	Future of PD-1/PD-L1 axis modulation for the treatment of triple-negative breast cancer. Pharmacological Research, 2022, 175, 106019.	7.1	20
36	Aptamer-Mediated Cancer Gene Therapy. Current Gene Therapy, 2015, 15, 109-119.	2.0	18

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37	Aptamers as potential therapeutic agents for ovarian cancer. Biochimie, 2018, 145, 34-44.	2.6	17
38	Profiling Cancer Cells by Cell-SELEX: Use of Aptamers for Discovery of Actionable Biomarkers and Therapeutic Applications Thereof. Pharmaceutics, 2022, 14, 28.	4.5	17
39	Blood cells of Murray cod Maccullochella peelii peelii (Mitchell). Journal of Fish Biology, 2007, 70, 973-980.	1.6	16
40	Improved Efficacy and Reduced Toxicity of Doxorubicin Encapsulated in Sulfatide-Containing Nanoliposome in a Glioma Model. PLoS ONE, 2014, 9, e103736.	2.5	16
41	Radiolabelled Aptamers for Theranostic Treatment of Cancer. Pharmaceuticals, 2019, 12, 2.	3.8	15
42	TaqIB polymorphism in the CETP gene modulates the impact of HC/LF diet on the HDL profile in healthy Chinese young adults. Journal of Nutritional Biochemistry, 2010, 21, 1114-1119.	4.2	14
43	Functional interaction between mutations in the granulocyte colonyâ€stimulating factor receptor in severe congenital neutropenia. British Journal of Haematology, 2008, 142, 653-656.	2.5	12
44	Elevated Levels of Triglyceride and Triglyceride-Rich Lipoprotein Triglyceride Induced by a High-Carbohydrate Diet Is Associated with Polymorphisms of <i>APOA5-</i>1131T>C and <i>APOC3-</i>482C>T in Chinese Healthy Young Adults. Annals of Nutrition and Metabolism, 2011, 58, 150-157.	1.9	12
45	Diagnostics and Therapeutics in Targeting HER2 Breast Cancer: A Novel Approach. International Journal of Molecular Sciences, 2021, 22, 6163.	4.1	12
46	The control of epidermal growth factor grafted on mesoporous silica nanoparticles for targeted delivery. Journal of Materials Chemistry B, 2015, 3, 6094-6104.	5.8	10
47	Mesoporous silica nanorods toward efficient loading and intracellular delivery of siRNA. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	10
48	Triple-negative breast cancer brain metastasis: An update on druggable targets, current clinical trials, and future treatment options. Drug Discovery Today, 2022, 27, 1298-1314.	6.4	10
49	Tailored Mesoporous Silica Nanoparticles for Controlled Drug Delivery: Platform Fabrication, Targeted Delivery, and Computational Design and Analysis. Mini-Reviews in Medicinal Chemistry, 2018, 18, 976-989.	2.4	8
50	Novel Detection of Nasty Bugs, Prevention Is Better than Cure. International Journal of Molecular Sciences, 2021, 22, 149.	4.1	7
51	Aptamer-Based Diagnostics and Therapeutics. Pharmaceuticals, 2019, 12, 6.	3.8	6
52	Groundwater pre-treatment prevents the onset of chronic ulcerative dermatopathy in juvenile Murray cod, Maccullochella peelii peelii (Mitchell). Aquaculture, 2011, 312, 19-25.	3.5	5
53	Modelling of mass transport and distribution of aptamer in blood-brain barrier for tumour therapy and cancer treatment. European Journal of Pharmaceutics and Biopharmaceutics, 2022, 173, 121-131.	4.3	5
54	What potential do aptamers hold in therapeutic delivery?. Therapeutic Delivery, 2017, 8, 53-55.	2.2	4

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55	Application of Aptamers in Histopathology. Methods in Molecular Biology, 2016, 1380, 191-196.	0.9	3
56	Ethosomes the Best Approach for Deeper Delivery of Drugs Through Transdermal Port: From Preparation to Biomedical Applications. Journal of Colloid Science and Biotechnology, 2015, 4, 87-98.	0.2	2
57	Efficacy of promising flavonoids from Festuca, Lonicera, and Acacia genera against glioblastoma multiforme; potential for the Dandenong Ranges. , 2020, , 383-422.		1
58	Cytokine Networks and Cancer Stem Cells. , 2015, , 67-87.		1
59	Cancer Stem Cells â€" Perspectives and How to Target Them. , 0, , .		0