Sangeeta N Bhatia

List of Publications by Year
in descending order

60	7,123	76196	133063
papers	citations	40 h-index	59 g-index

67	67	67	10473
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Protease activity sensors enable real-time treatment response monitoring in lymphangioleiomyomatosis. European Respiratory Journal, 2022, 59, 2100664.	3.1	5
2	Early detection of cancer. Science, 2022, 375, eaay9040.	6.0	291
3	Host protease activity classifies pneumonia etiology. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	9
4	Protease Activity Analysis: A Toolkit for Analyzing Enzyme Activity Data. ACS Omega, 2022, 7, 24292-24301.	1.6	3
5	Activatable Zymography Probes Enable In Situ Localization of Protease Dysregulation in Cancer. Cancer Research, 2021, 81, 213-224.	0.4	15
6	Fusogenic porous silicon nanoparticles as a broad-spectrum immunotherapy against bacterial infections. Nanoscale Horizons, 2021, 6, 330-340.	4.1	17
7	Selective Permeabilization of Gram-Negative Bacterial Membranes Using Multivalent Peptide Constructs for Antibiotic Sensitization. ACS Infectious Diseases, 2021, 7, 721-732.	1.8	17
8	Two chemoattenuated PfSPZ malaria vaccines induce sterile hepatic immunity. Nature, 2021, 595, 289-294.	13.7	68
9	Microenvironment-triggered multimodal precision diagnostics. Nature Materials, 2021, 20, 1440-1448.	13.3	42
10	Evidential Deep Learning for Guided Molecular Property Prediction and Discovery. ACS Central Science, 2021, 7, 1356-1367.	5.3	73
11	Identification of NQO2 As a Protein Target in Small Molecule Modulation of Hepatocellular Function. ACS Chemical Biology, 2021, 16, 1770-1778.	1.6	3
12	Synthetic Circuit-Driven Expression of Heterologous Enzymes for Disease Detection. ACS Synthetic Biology, 2021, 10, 2231-2242.	1.9	5
13	Synthetic biomarkers: a twenty-first century path to early cancer detection. Nature Reviews Cancer, 2021, 21, 655-668.	12.8	84
14	Peptide-based urinary monitoring of fibrotic nonalcoholic steatohepatitis by mass-barcoded activity-based sensors. Science Translational Medicine, 2021, 13, eabe8939.	5.8	17
15	Engineering synthetic breath biomarkers for respiratory disease. Nature Nanotechnology, 2020, 15, 792-800.	15.6	59
16	Mapping functional humoral correlates of protection against malaria challenge following RTS,S/AS01 vaccination. Science Translational Medicine, 2020, 12, .	5.8	100
17	Urinary detection of lung cancer in mice via noninvasive pulmonary protease profiling. Science Translational Medicine, 2020, 12, .	5.8	58
18	Activity-Based Diagnostics: An Emerging Paradigm for Disease Detection and Monitoring. Trends in Molecular Medicine, 2020, 26, 450-468.	3.5	51

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19	Uncovering and Mitigating Algorithmic Bias through Learned Latent Structure. , 2019, , .		101
20	Renal clearable catalytic gold nanoclusters for in vivo disease monitoring. Nature Nanotechnology, 2019, 14, 883-890.	15.6	333
21	Acidification of Tumor at Stromal Boundaries Drives Transcriptome Alterations Associated with Aggressive Phenotypes. Cancer Research, 2019, 79, 1952-1966.	0.4	157
22	Non-viral delivery of CRISPR/Cas9 complex using CRISPR-GPS nanocomplexes. Nanoscale, 2019, 11, 21317-21323.	2.8	34
23	Targeting liver stage malaria with metformin. JCI Insight, 2019, 4, .	2.3	23
24	InÂVitro Culture, Drug Sensitivity, and Transcriptome of Plasmodium Vivax Hypnozoites. Cell Host and Microbe, 2018, 23, 395-406.e4.	5.1	118
25	Harnessing Protease Activity to Improve Cancer Care. Annual Review of Cancer Biology, 2018, 2, 353-376.	2.3	70
26	A human monoclonal antibody prevents malaria infection by targeting a new site of vulnerability on the parasite. Nature Medicine, 2018, 24, 408-416.	15.2	235
27	Protease activity sensors noninvasively classify bacterial infections and antibiotic responses. EBioMedicine, 2018, 38, 248-256.	2.7	22
28	iRGD-guided Tumor-penetrating Nanocomplexes for Therapeutic siRNA Delivery to Pancreatic Cancer. Molecular Cancer Therapeutics, 2018, 17, 2377-2388.	1.9	52
29	Classification of prostate cancer using a protease activity nanosensor library. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8954-8959.	3.3	53
30	Ultrasensitive tumour-penetrating nanosensors of protease activity. Nature Biomedical Engineering, 2017, 1, .	11.6	94
31	Tumor-Penetrating Delivery of siRNA against TNFÎ± to Human Vestibular Schwannomas. Scientific Reports, 2017, 7, 12922.	1.6	15
32	Open Source Drug Discovery with the Malaria Box Compound Collection for Neglected Diseases and Beyond. PLoS Pathogens, 2016, 12, e1005763.	2.1	244
33	Sustainedâ€Release Synthetic Biomarkers for Monitoring Thrombosis and Inflammation Using Pointâ€ofâ€Care Compatible Readouts. Advanced Functional Materials, 2016, 26, 2919-2928.	7.8	28
34	Comparison of Modular PEG Incorporation Strategies for Stabilization of Peptideâ€“siRNA Nanocomplexes. Bioconjugate Chemistry, 2016, 27, 2323-2331.	1.8	14
35	Development of Lightâ€Activated CRISPR Using Guide RNAs with Photocleavable Protectors. Angewandte Chemie - International Edition, 2016, 55, 12440-12444.	7.2	144
36	Magnetically Actuated Protease Sensors for in Vivo Tumor Profiling. Nano Letters, 2016, 16, 6303-6310.	4.5	45

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37	Selfâ€Sealing Porous Siliconâ€Calcium Silicate Coreâ€“Shell Nanoparticles for Targeted siRNA Delivery to the Injured Brain. Advanced Materials, 2016, 28, 7962-7969.	11.1	123
38	Neuron-Targeted Nanoparticle for siRNA Delivery to Traumatic Brain Injuries. ACS Nano, 2016, 10, 7926-7933.	7.3	110
39	A peptide for targeted, systemic delivery of imaging and therapeutic compounds into acute brain injuries. Nature Communications, 2016, 7, 11980.	5.8	138
40	Engineering a perfusable 3D human liver platform from iPS cells. Lab on A Chip, 2016, 16, 2644-2653.	3.1	142
41	Programmable probiotics for detection of cancer in urine. Science Translational Medicine, 2015, 7, 289ra84.	5.8	326
42	Smart nanosystems: Bio-inspired technologies that interact with the host environment. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14460-14466.	3.3	77
43	Mathematical framework for activity-based cancer biomarkers. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12627-12632.	3.3	50
44	Micropatterned coculture of primary human hepatocytes and supportive cells for the study of hepatotropic pathogens. Nature Protocols, 2015, 10, 2027-2053.	5.5	119
45	Point-of-care diagnostics for noncommunicable diseases using synthetic urinary biomarkers and paper microfluidics. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3671-3676.	3.3	167
46	Disease Detection by Ultrasensitive Quantification of Microdosed Synthetic Urinary Biomarkers. Journal of the American Chemical Society, 2014, 136, 13709-13714.	6.6	50
47	Cell and tissue engineering for liver disease. Science Translational Medicine, 2014, 6, 245sr2.	5.8	247
48	A Microscale Human Liver Platform that Supports the Hepatic Stages of Plasmodium falciparum and vivax. Cell Host and Microbe, 2013, 14, 104-115.	5.1	195
49	Nanoparticles That Sense Thrombin Activity As Synthetic Urinary Biomarkers of Thrombosis. ACS Nano, 2013, 7, 9001-9009.	7.3	98
50	Mass-encoded synthetic biomarkers for multiplexed urinary monitoring of disease. Nature Biotechnology, 2013, 31, 63-70.	9.4	176
51	Identification of small molecules for human hepatocyte expansion and iPS differentiation. Nature Chemical Biology, 2013, 9, 514-520.	3.9	230
52	Targeted Tumor-Penetrating siRNA Nanocomplexes for Credentialing the Ovarian Cancer Oncogene ID4. Science Translational Medicine, 2012, 4, 147ra112.	5.8	157
53	Identification and Characterization of Receptor-Specific Peptides for siRNA Delivery. ACS Nano, 2012, 6, 8620-8631.	7.3	68
54	The challenges posed by cancer heterogeneity. Nature Biotechnology, 2012, 30, 604-610.	9.4	90

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55	Magnetic Iron Oxide Nanoworms for Tumor Targeting and Imaging. Advanced Materials, 2008, 20, 1630-1635.	11.1	516
56	Microscale culture of human liver cells for drug development. Nature Biotechnology, 2008, 26, 120-126.	9.4	1,088
57	Nanoparticle Self-Assembly Gated by Logical Proteolytic Triggers. Journal of the American Chemical Society, 2007, 129, 6064-6065.	6.6	123
58	Assessing Porcine Liver-Derived Biomatrix for Hepatic Tissue Engineering. Tissue Engineering, 2004, 10, 1046-1053.	4.9	3
59	Prenatal detection and mapping of a distal 8p deletion associated with congenital heart disease. Prenatal Diagnosis, 1999, 19, 863-867.	1.1	26
60	Oxygen is a factor determining in vitro tissue assembly: Effects on attachment and spreading of hepatocytes. Biotechnology and Bioengineering, 1994, 43, 654-660.	1.7	90