

Matthew D Smalley

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

467
citations

1040056

9
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

737
citing authors

#	ARTICLE	IF	CITATIONS
1	Purification of HCC-specific extracellular vesicles on nanosubstrates for early HCC detection by digital scoring. <i>Nature Communications</i> , 2020, 11, 4489.	12.8	134
2	NanoVelcro rare-cell assays for detection and characterization of circulating tumor cells. <i>Advanced Drug Delivery Reviews</i> , 2018, 125, 78-93.	13.7	89
3	Nanostructured Substrates for Detection and Characterization of Circulating Rare Cells: From Materials Research to Clinical Applications. <i>Advanced Materials</i> , 2020, 32, e1903663.	21.0	66
4	Bio-Inspired NanoVilli Chips for Enhanced Capture of Tumor-Derived Extracellular Vesicles: Toward Non-Invasive Detection of Gene Alterations in Non-Small Cell Lung Cancer. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13973-13983.	8.0	55
5	Covalent chemistry on nanostructured substrates enables noninvasive quantification of gene rearrangements in circulating tumor cells. <i>Science Advances</i> , 2019, 5, eaav9186.	10.3	36
6	Supramolecular nanosubstrate-mediated delivery system enables CRISPR-Cas9 knockin of hemoglobin beta gene for hemoglobinopathies. <i>Science Advances</i> , 2020, 6, .	10.3	25
7	Coupling Nanostructured Microchips with Covalent Chemistry Enables Purification of Sarcoma-Derived Extracellular Vesicles for Downstream Functional Studies. <i>Advanced Functional Materials</i> , 2020, 30, 2003237.	14.9	20
8	Somatic copy number profiling from hepatocellular carcinoma circulating tumor cells. <i>Npj Precision Oncology</i> , 2020, 4, 16.	5.4	16
9	Noninvasive Prenatal Diagnostics: Recent Developments Using Circulating Fetal Nucleated Cells. <i>Current Obstetrics and Gynecology Reports</i> , 2019, 8, 1-8.	0.8	13
10	Discovery and characterization of circulating tumor cell clusters in neuroendocrine tumor patients using nanosubstrate-embedded microchips. <i>Biosensors and Bioelectronics</i> , 2022, 199, 113854.	10.1	10
11	Noninvasive Prenatal Diagnostics: Recent Developments Using Circulating Fetal Nucleated Cells. <i>Current Obstetrics and Gynecology Reports</i> , 2019, 8, 1-8.	0.8	3
12	Circulating Rare Cells: Nanostructured Substrates for Detection and Characterization of Circulating Rare Cells: From Materials Research to Clinical Applications (<i>Adv. Mater.</i> 1/2020). <i>Advanced Materials</i> , 2020, 32, 2070008.	21.0	0
13	Sarcoma-Derived Extracellular Vesicles: Coupling Nanostructured Microchips with Covalent Chemistry Enables Purification of Sarcoma-Derived Extracellular Vesicles for Downstream Functional Studies (<i>Adv. Funct. Mater.</i> 49/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070322.	14.9	0