Van Du Nguyen

List of Publications by Year
in descending order

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Version: 2024-02-01

29 papers	862 citations	471371 17 h-index	713332 21 g-index
29 all docs	29 docs citations	29 times ranked	1040 citing authors

#	Article	IF	Citations
1	Active tumor-therapeutic liposomal bacteriobot combining a drug (paclitaxel)-encapsulated liposome with targeting bacteria (Salmonella Typhimurium). Sensors and Actuators B: Chemical, 2016, 224, 217-224.	4.0	102
2	Hybrid-Actuating Macrophage-Based Microrobots for Active Cancer Therapy. Scientific Reports, 2016, 6, 28717.	1.6	88
3	A Thermo-electromagnetically Actuated Microrobot for the Targeted Transport of Therapeutic Agents. International Journal of Control, Automation and Systems, 2018, 16, 1341-1354.	1.6	71
4	Folate receptor-targeted liposomal nanocomplex for effective synergistic photothermal-chemotherapy of breast cancer in vivo. Colloids and Surfaces B: Biointerfaces, 2019, 173, 539-548.	2.5	68
5	Nanohybrid magnetic liposome functionalized with hyaluronic acid for enhanced cellular uptake and near-infrared-triggered drug release. Colloids and Surfaces B: Biointerfaces, 2017, 154, 104-114.	2.5	52
6	Macrophage-Mediated Delivery of Multifunctional Nanotherapeutics for Synergistic Chemoâ€“Photothermal Therapy of Solid Tumors. ACS Applied Materials & Interfaces, 2020, 12, 10130-10141.	4.0	50
7	A soft-magnet-based drug-delivery module for active locomotive intestinal capsule endoscopy using an electromagnetic actuation system. Sensors and Actuators A: Physical, 2016, 243, 81-89.	2.0	49
8	Primary Macrophage-Based Microrobots: An Effective Tumor Therapy In Vivo by Dual-Targeting Function and Near-Infrared-Triggered Drug Release. ACS Nano, 2021, 15, 8492-8506.	7.3	44
9	Self-folded microrobot for active drug delivery and rapid ultrasound-triggered drug release. Sensors and Actuators B: Chemical, 2020, 324, 128752.	4.0	41
10	Preparation of HIFU-triggered tumor-targeted hyaluronic acid micelles for controlled drug release and enhanced cellular uptake. Colloids and Surfaces B: Biointerfaces, 2016, 143, 27-36.	2.5	38
11	Feasibility study of dual-targeting paclitaxel-loaded magnetic liposomes using electromagnetic actuation and macrophages. Sensors and Actuators B: Chemical, 2017, 240, 1226-1236.	4.0	35
12	Miniaturized biopsy module using gripper tool for active locomotive capsule endoscope. Mechatronics, 2017, 44, 52-59.	2.0	33
13	Preparation of Engineered Salmonella Typhimuriumâ€Driven Hyaluronicâ€Acidâ€Based Microbeads with Both Chemotactic and Biological Targeting Towards Breast Cancer Cells for Enhanced Anticancer Therapy. Advanced Healthcare Materials, 2016, 5, 288-295.	3.9	31
14	A Robotic Biopsy Endoscope with Magnetic 5-DOF Locomotion and a Retractable Biopsy Punch. Micromachines, 2020, 11, 98.	1.4	31
15	Electromagnetic field intensity triggered micro-biopsy device for active locomotive capsule endoscope. Mechatronics, 2016, 36, 112-118.	2.0	26
16	Folate-receptor-targeted NIR-sensitive polydopamine nanoparticles for chemo-photothermal cancer therapy. Nanotechnology, 2017, 28, 425101.	1.3	26
17	Preparation of tumor targeting cell-based microrobots carrying NIR light sensitive therapeutics manipulated by electromagnetic actuating system and Chemotaxis. Journal of Micro-Bio Robotics, 2018, 14, 69-77.	2.1	18
18	Magnetically controlled reversible shape-morphing microrobots with real-time X-ray imaging for stomach cancer applications. Journal of Materials Chemistry B, 2022, 10, 4509-4518.	2.9	18

#	Article	IF	Citations
19	Combined photothermal-chemotherapy of breast cancer by near infrared light responsive hyaluronic acid-decorated nanostructured lipid carriers. Nanotechnology, 2017, 28, 435102.	1.3	14
20	Holographic Acoustic Tweezers for 5-DoF Manipulation of Nanocarrier Clusters toward Targeted Drug Delivery. Pharmaceutics, 2022, 14, 1490.	2.0	9
21	A Novel Macrophage-Based Microrobot Bearing Multiple Smart Nanotherapeutics for Targeting and Drug Delivery to Solid Tumors. , 2018, , .		4
22	Motility steering of bacteriobots using chemical gradient microchannel. , 2016, , .		3
23	A Novel Biopsy Capsule Endoscope for Wireless Intestinal Tissue Collection. , 2018, , .		3
24	Novel active locomotive capsule endoscope with micro-hydraulic pump for drug delivery function. , 2016, , .		2
25	Manipulation of tumor targeting cell-based microrobots carrying NIR light sensitive therapeutics using EMA system and chemotaxis. , 2017, , .		2
26	Shape-Tunable UV-Printed Solid Drugs for Personalized Medicine. Polymers, 2022, 14, 2714.	2.0	2
27	Effect of Chitosan on Motility of Bacteria-Driven Liposomal Microrobots. , 2016, , .		1
28	Non-invasive active capsule endoscope integrated targeting biopsy function based on electro-mangetic actuation system. , 2017, , .		1
29	Development of hyaluronic acid microcargo for therapeutic bacteriobots. , 2017, , .		0