

# David Medina-Cruz

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,015  
citations

516561

16  
h-index

642610

23  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1055  
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR/Cas-powered nanobiosensors for diagnostics. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113732.	5.3	64
2	Green nanotechnology in cardiovascular tissue engineering. , 2022, , 237-281.		7
3	Microbial nanotechnology-based approaches for wound healing and infection control. , 2022, , 1-15.		6
4	Cancer therapeutics with microbial nanotechnology-based approaches. , 2022, , 17-43.		7
5	Composition-Dependent Cytotoxic and Antibacterial Activity of Biopolymer-Capped Ag/Au Bimetallic Nanoparticles against Melanoma and Multidrug-Resistant Pathogens. <i>Nanomaterials</i> , 2022, 12, 779.	1.9	10
6	Antineoplastic activity of biogenic silver and gold nanoparticles to combat leukemia: Beginning a new era in cancer theragnostic. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2022, 34, e00714.	2.1	67
7	Biogenic metal nanomaterials to combat antimicrobial resistance. , 2022, , 261-304.		6
8	Synthesis of "Naked" TeO <sub>2</sub> Nanoparticles for Biomedical Applications. <i>ACS Omega</i> , 2022, 7, 23685-23694.	1.6	3
9	Conductive all-carbon nanotube layers: Results on attractive physicochemical, anti-bacterial, anticancer and biocompatibility properties. <i>Materials Science and Engineering C</i> , 2021, 120, 111703.	3.8	12
10	Green nanomedicine: the path to the next generation of nanomaterials for diagnosing brain tumors and therapeutics?. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 715-736.	2.4	24
11	Nanobiosensors for theranostic applications. , 2021, , 511-543.		7
12	Bi <sub>2</sub> O <sub>3</sub> nano-flakes as a cost-effective antibacterial agent. <i>Nanoscale Advances</i> , 2021, 3, 4106-4118.	2.2	21
13	Aloe Vera-Mediated Te Nanostructures: Highly Potent Antibacterial Agents and Moderated Anticancer Effects. <i>Nanomaterials</i> , 2021, 11, 514.	1.9	16
14	Selenium Nanomaterials to Combat Antimicrobial Resistance. <i>Molecules</i> , 2021, 26, 3611.	1.7	40
15	Advances in 3D-Printed Surface-Modified Ca-Si Bioceramic Structures and Their Potential for Bone Tumor Therapy. <i>Materials</i> , 2021, 14, 3844.	1.3	5
16	Nanocarrier drug resistant tumor interactions: novel approaches to fight drug resistance in cancer. , 2021, 4, 264-297.		5
17	Drug-delivery nanocarriers for skin wound-healing applications. , 2020, , 439-488.		5
18	<p><strong>Emerging Antineoplastic Biogenic Gold Nanomaterials for Breast Cancer Therapeutics: A Systematic Review</strong></p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 3577-3595.	3.3	52

#	ARTICLE	IF	CITATIONS
19	Electroconductive Nanobiomaterials for Tissue Engineering and Regenerative Medicine. <i>Bioelectricity</i> , 2020, 2, 120-149.	0.6	53
20	Green nanotechnology-based zinc oxide (ZnO) nanomaterials for biomedical applications: a review. <i>JPhys Materials</i> , 2020, 3, 034005.	1.8	76
21	Naked Selenium Nanoparticles for Antibacterial and Anticancer Treatments. <i>ACS Omega</i> , 2020, 5, 2660-2669.	1.6	121
22	Green nanotechnology-based drug delivery systems for osteogenic disorders. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 341-356.	2.4	35
23	Bimetallic Nanoparticles for Biomedical Applications: A Review. , 2020, , 397-434.		14
24	Tellurium, the Forgotten Element: A Review of the Properties, Processes, and Biomedical Applications of the Bulk and Nanoscale Metalloid. , 2020, , 723-783.		6
25	Green Nanotechnology-based Gold Nanomaterials for Hepatic Cancer Therapeutics: A Systematic Review. <i>Iranian Journal of Pharmaceutical Research</i> , 2020, 19, 3-17.	0.3	19
26	Characterization of Biogenic Nanoparticles Via In-Situ Correlative Secondary Electron Helium Microscopy and Secondary Ion Mass Spectrometry. <i>Microscopy and Microanalysis</i> , 2019, 25, 1062-1063.	0.2	4
27	&lt;p&gt;Comparison of cytocompatibility and anticancer properties of traditional and green chemistry-synthesized tellurium nanowires&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 3155-3176.	3.3	16
28	Citric juice-mediated synthesis of tellurium nanoparticles with antimicrobial and anticancer properties. <i>Green Chemistry</i> , 2019, 21, 1982-1998.	4.6	60
29	&lt;p&gt;Starch-mediated synthesis of mono- and bimetallic silver/gold nanoparticles as antimicrobial and anticancer agents&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 2171-2190.	3.3	99
30	Synergic antibacterial coatings combining titanium nanocolumns and tellurium nanorods. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 17, 36-46.	1.7	17
31	Synthesis and characterization of biogenic selenium nanoparticles with antimicrobial properties made by <i>Staphylococcus aureus</i>, methicillinâ€resistant <i>Staphylococcus aureus</i> (MRSA), <i>Escherichia coli,</i> and <i>Pseudomonas aeruginosa</i>. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1400-1412.	2.1	110
32	Synthesis and characterization of PVP-coated tellurium nanorods and their antibacterial and anticancer properties. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	28