Yash Mantri

List of Publications by Citations

23 papers	223 citations	7 h-index	14 g-index
28 ext. papers	425 ext. citations	8.2 avg, IF	4.32 L-index

#	Paper	IF	Citations
23	Engineering Plasmonic Nanoparticles for Enhanced Photoacoustic Imaging. *ACS Nano*, **2020**, 14, 9408-9422	14.7	69
22	Deep learning improves contrast in low-fluence photoacoustic imaging. *Biomedical Optics Express*, **2020**, 11, 3360-3373	3.5	37
21	Iodide-doped precious metal nanoparticles: measuring oxidative stress in vivo via photoacoustic imaging. *Nanoscale*, **2020**, 12, 10511-10520	7.7	29
20	Activatable Carbocyanine Dimers for Photoacoustic and Fluorescent Detection of Protease Activity. *ACS Sensors*, **2021**, 6, 2356-2365	9.2	17
19	Gold Nanorod-Melanin Hybrids for Enhanced and Prolonged Photoacoustic Imaging in the Near-Infrared-II Window. *ACS Applied Materials & Interfaces*, **2021**, 13, 14974-14984	9.5	15
18	A Charge-Switchable Zwitterionic Peptide for Rapid Detection of SARS-CoV-2 Main Protease.. *Angewandte Chemie - International Edition*, **2021**,	16.4	9
17	Motion-compensated noninvasive periodontal health monitoring using handheld and motor-based photoacoustic-ultrasound imaging systems. *Biomedical Optics Express*, **2021**, 12, 1543-1558	3.5	8
16	Ultrasmall gold nanorod-polydopamine hybrids for enhanced photoacoustic imaging and photothermal therapy in second near-infrared window.. *Nanotheranostics*, **2022**, 6, 79-90	5.6	6
15	Mapping Aerosolized Saliva on Face Coverings for Biosensing Applications. *Analytical Chemistry*, **2021**, 93, 11025-11032	7.8	6
14	Versatile Polymer Nanocapsules via Redox Competition. *Angewandte Chemie - International Edition*, **2021**, 60, 26357-26362	16.4	5
13	Impact of skin tone on photoacoustic oximetry and tools to minimize bias.. *Biomedical Optics Express*, **2022**, 13, 875-887	3.5	4
12	Photoacoustic Imaging as a Tool for Assessing Hair Follicular Organization. *Sensors*, **2020**, 20,	3.8	4
11	A fiber optic photoacoustic sensor for real-time heparin monitoring. *Biosensors and Bioelectronics*, **2022**, 196, 113692	11.8	3
10	Point-of-Care Ultrasound as a Tool to Assess Wound Size and Tissue Regeneration after Skin Grafting. *Ultrasound in Medicine and Biology*, **2021**, 47, 2550-2559	3.5	3
9	Photoacoustic monitoring of angiogenesis predicts response to therapy in healing wounds.. *Wound Repair and Regeneration*, **2022**,	3.6	2
8	Photoacoustic monitoring of angiogenesis predicts response to therapy in healing wounds		2
7	Peptidic Sulfhydryl for Interfacing Nanocrystals and Subsequent Sensing of SARS-CoV-2 Protease. *Chemistry of Materials*, **2022**, 34, 1259-1268	9.6	1

List of Publications

6	Versatile Polymer Nanocapsules via Redox Competition. *Angewandte Chemie*,	3.6	1
5	Peptide-Induced Fractal Assembly of Silver Nanoparticles for Visual Detection of Disease Biomarkers.. *ACS Nano*, **2022**,	16.7	1
4	Hydro-Expandable Calcium Phosphate Micro/Nano-Particles with Controllable Size and Morphology for Mechanical Ablation. *ACS Applied Nano Materials*, **2021**, 4, 3877-3886	5.6	0
3	Photoacoustic imaging phantoms for assessment of object detectability and boundary buildup artifacts.. *Photoacoustics*, **2022**, 26, 100348	9	0
2	Monitoring peripheral hemodynamic response to changes in blood pressure via photoacoustic imaging.. *Photoacoustics*, **2022**, 26, 100345	9	0
1	Photoacoustic Enhancement of Ferricyanide-Treated Silver Chalcogenide-Coated Gold Nanorods. *Journal of Physical Chemistry C*, **2022**, 126, 7605-7614	3.8	0