

# Sirimuvva Tadepalli

## List of Publications by Year in descending order

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33  
papers

2,609  
citations

236912

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h-index

395678

33  
g-index

33  
all docs

33  
docs citations

33  
times ranked

4189  
citing authors

#	ARTICLE	IF	CITATIONS
1	Woodâ€™Graphene Oxide Composite for Highly Efficient Solar Steam Generation and Desalination. ACS Applied Materials & Interfaces, 2017, 9, 7675-7681.	8.0	505
2	Bilayered Biofoam for Highly Efficient Solar Steam Generation. Advanced Materials, 2016, 28, 9400-9407.	21.0	457
3	Bio-Optics and Bio-Inspired Optical Materials. Chemical Reviews, 2017, 117, 12705-12763.	47.7	286
4	Plasmonic Biofoam: A Versatile Optically Active Material. Nano Letters, 2016, 16, 609-616.	9.1	161
5	Multifunctional Hybrid Nanopatches of Graphene Oxide and Gold Nanostars for Ultraefficient Photothermal Cancer Therapy. ACS Applied Materials & Interfaces, 2014, 6, 16395-16402.	8.0	92
6	Size-Dependent Surface Enhanced Raman Scattering Activity of Plasmonic Nanorattles. Chemistry of Materials, 2015, 27, 5261-5270.	6.7	82
7	Peptide Functionalized Gold Nanorods for the Sensitive Detection of a Cardiac Biomarker Using Plasmonic Paper Devices. Scientific Reports, 2015, 5, 16206.	3.3	82
8	Plasmonic Nanorattles with Intrinsic Electromagnetic Hotâ€™Spots for Surface Enhanced Raman Scattering. Small, 2014, 10, 4287-4292.	10.0	69
9	Hydrophilic, Bactericidal Nanoheater-Enabled Reverse Osmosis Membranes to Improve Fouling Resistance. ACS Applied Materials & Interfaces, 2015, 7, 11117-11126.	8.0	67
10	Metalâ€™Organic Framework Encapsulation for the Preservation and Photothermal Enhancement of Enzyme Activity. Small, 2018, 14, 1702382.	10.0	65
11	Catalytically Active Bacterial Nanocelluloseâ€™Based Ultrafiltration Membrane. Small, 2018, 14, e1704006.	10.0	59
12	Metalâ€™Organic Framework as a Protective Coating for Biodiagnostic Chips. Advanced Materials, 2017, 29, 1604433.	21.0	56
13	Photothermally Active Reduced Graphene Oxide/Bacterial Nanocellulose Composites as Biofouling-Resistant Ultrafiltration Membranes. Environmental Science & Technology, 2019, 53, 412-421.	10.0	56
14	An in situ grown bacterial nanocellulose/graphene oxide composite for flexible supercapacitors. Journal of Materials Chemistry A, 2017, 5, 13976-13982.	10.3	53
15	Metalâ€™Organic Framework Encapsulation for Biospecimen Preservation. Chemistry of Materials, 2018, 30, 1291-1300.	6.7	52
16	Plasmonic Nanogels for Unclonable Optical Tagging. ACS Applied Materials & Interfaces, 2016, 8, 4031-4041.	8.0	46
17	Off-Resonant Gold Superstructures as Ultrabright Minimally Invasive Surface-Enhanced Raman Scattering (SERS) Probes. Chemistry of Materials, 2015, 27, 5678-5684.	6.7	40
18	PEGylated Artificial Antibodies: Plasmonic Biosensors with Improved Selectivity. ACS Applied Materials & Interfaces, 2016, 8, 23509-23516.	8.0	40

#	ARTICLE	IF	CITATIONS
19	Multiplexed charge-selective surface enhanced Raman scattering based on plasmonic calligraphy. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5438.	5.5	38
20	Adsorption Behavior of Silk Fibroin on Amphiphilic Graphene Oxide. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1084-1092.	5.2	36
21	Gold Nanorod-Mediated Photothermal Enhancement of the Biocatalytic Activity of a Polymer-Encapsulated Enzyme. <i>Chemistry of Materials</i> , 2017, 29, 6308-6314.	6.7	30
22	Ultrarobust Biochips with Metal-Organic Framework Coating for Point-of-Care Diagnosis. <i>ACS Sensors</i> , 2018, 3, 342-351.	7.8	29
23	Shape-Dependent Biodistribution of Biocompatible Silk Microcapsules. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 5499-5508.	8.0	27
24	Bioplasmonic calligraphy for multiplexed label-free biodetection. <i>Biosensors and Bioelectronics</i> , 2014, 59, 208-215.	10.1	26
25	Effect of size and curvature on the enzyme activity of bionanoconjugates. <i>Nanoscale</i> , 2017, 9, 15666-15672.	5.6	26
26	Bio-Enabled Gold Superstructures with Built-in and Accessible Electromagnetic Hotspots. <i>Advanced Healthcare Materials</i> , 2015, 4, 1502-1509.	7.6	21
27	Plasmonic paper: a porous and flexible substrate enabling nanoparticle-based combinatorial chemistry. <i>RSC Advances</i> , 2016, 6, 4136-4144.	3.6	21
28	Silk-Encapsulated Plasmonic Biochips with Enhanced Thermal Stability. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 26493-26500.	8.0	20
29	Polarization-Dependent Surface-Enhanced Raman Scattering Activity of Anisotropic Plasmonic Nanorattles. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16899-16906.	3.1	18
30	Influence of Surface Charge of the Nanostructures on the Biocatalytic Activity. <i>Langmuir</i> , 2017, 33, 6611-6619.	3.5	15
31	Peptide Functionalized Gold Nanorods for the Sensitive Detection of a Cardiac Biomarker Using Plasmonic Paper Devices. <i>Scientific Reports</i> , 2015, 5, .	3.3	15
32	Structure-dependent SERS activity of plasmonic nanorattles with built-in electromagnetic hotspots. <i>Analyst</i> , 2017, 142, 4536-4543.	3.5	13
33	Amplification of Refractometric Biosensor Response through Biomineralization of Metal-Organic Framework Nanocrystals. <i>Advanced Materials Technologies</i> , 2017, 2, 1700023.	5.8	6