Rajashekhar Kanchanapally

List of Publications by Year
in descending order

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23	1,319	430442	676716
papers	citations	18 h-index	22 g-index

23	23	23	2533
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly selective SERS probe for Hg(ii) detection using tryptophan-protected popcorn shaped gold nanoparticles. Chemical Communications, 2011, 47, 10326.	2.2	140
2	Hybrid Graphene Oxide Based Ultrasensitive SERS Probe for Label-Free Biosensing. Journal of Physical Chemistry Letters, 2013, 4, 3813-3818.	2.1	135
3	Hybrid Graphene Oxide Based Plasmonic-Magnetic Multifunctional Nanoplatform for Selective Separation and Label-Free Identification of Alzheimerâ€™s Disease Biomarkers. ACS Applied Materials & Interfaces, 2015, 7, 13693-13700.	4.0	113
4	Antimicrobial peptide-conjugated graphene oxide membrane for efficient removal and effective killing of multiple drug resistant bacteria. RSC Advances, 2015, 5, 18881-18887.	1.7	99
5	Aptamer-Conjugated Graphene Oxide Membranes for Highly Efficient Capture and Accurate Identification of Multiple Types of Circulating Tumor Cells. Bioconjugate Chemistry, 2015, 26, 235-242.	1.8	98
6	Drug-loaded exosomal preparations from different cell types exhibit distinctive loading capability, yield, and antitumor efficacies: a comparative analysis. International Journal of Nanomedicine, 2019, Volume 14, 531-541.	3.3	98
7	Bio-Conjugated CNT-Bridged 3D Porous Graphene Oxide Membrane for Highly Efficient Disinfection of Pathogenic Bacteria and Removal of Toxic Metals from Water. ACS Applied Materials & Interfaces, 2015, 7, 19210-19218.	4.0	81
8	Development of a Long-Range Surface-Enhanced Raman Spectroscopy Ruler. Journal of the American Chemical Society, 2012, 134, 8662-8669.	6.6	77
9	Highly efficient SERS substrate for direct detection of explosive TNT using popcorn-shaped gold nanoparticle-functionalized SWCNT hybrid. Analyst, The, 2012, 137, 5041.	1.7	66
10	A gold nanocageâ€“CNT hybrid for targeted imaging and photothermal destruction of cancer cells. Chemical Communications, 2012, 48, 6711.	2.2	64
11	Multifunctional Three-Dimensional Chitosan/Gold Nanoparticle/Graphene Oxide Architecture for Separation, Label-Free SERS Identification of Pharmaceutical Contaminants, and Effective Killing of Superbugs. ACS Sustainable Chemistry and Engineering, 2017, 5, 7175-7187.	3.2	60
12	Epigallocatechin Gallate-Gold Nanoparticles Exhibit Superior Antitumor Activity Compared to Conventional Gold Nanoparticles: Potential Synergistic Interactions. Nanomaterials, 2019, 9, 396.	1.9	43
13	Hybrid Theranostic Platform for Second Near-IR Window Light Triggered Selective Two-Photon Imaging and Photothermal Killing of Targeted Melanoma Cells. ACS Applied Materials & Interfaces, 2015, 7, 20649-20656.	4.0	40
14	Synthesis of highly fluorescent water-soluble silver nanoparticles for selective detection of Pb(ii) at the parts per quadrillion (PPQ) level. Chemical Communications, 2012, 48, 9047.	2.2	39
15	Accurate Identification and Selective Removal of Rotavirus Using a Plasmonicâ€“Magnetic 3D Graphene Oxide Architecture. Journal of Physical Chemistry Letters, 2014, 5, 3216-3221.	2.1	33
16	Exosomal Formulation Escalates Cellular Uptake of Honokiol Leading to the Enhancement of Its Antitumor Efficacy. ACS Omega, 2020, 5, 23299-23307.	1.6	29
17	Graphene Oxideâ€“Gold Nanocage Hybrid Platform for Trace Level Identification of Nitro Explosives Using a Raman Fingerprint. Journal of Physical Chemistry C, 2014, 118, 7070-7075.	1.5	28
18	Aptamer-conjugated theranostic hybrid graphene oxide with highly selective biosensing and combined therapy capability. Faraday Discussions, 2014, 175, 257-271.	1.6	27

#	Article	IF	Citations
19	Long-range two-photon scattering spectroscopy ruler for screening prostate cancer cells. Chemical Science, 2015, 6, 2411-2418.	3.7	17
20	Theranostic Graphene Oxide for Prostate Cancer Detection and Treatment. Particle and Particle Systems Characterization, 2014, 31, 1252-1259.	1.2	16
21	Multifunctional hybrid graphene oxide for label-free detection of malignant melanoma from infected blood. Journal of Materials Chemistry B, 2014, 2, 1934-1937.	2.9	11
22	Length dependent NLO properties of 2D hollow gold nanoprisms formed by guided assembly. Chemical Communications, 2012, 48, 6034.	2.2	5
23	Bioconjugated Gold Nanoparticle for Rapid Capture and Targeted Photothermal Lysis of Pathogenic Bacteria. ACS Symposium Series, 2012, , 107-128.	0.5	0