

# Kamisetti Venkataramaniah

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

454  
citations

759233

12  
h-index

794594

19  
g-index

25  
all docs

25  
docs citations

25  
times ranked

776  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative performance evaluation of carbon dot-based paper immunoassay on Whatman filter paper and nitrocellulose paper in the detection of HIV infection. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	68
2	Streptavidin-conjugated gold nanoclusters as ultrasensitive fluorescent sensors for early diagnosis of HIV infection. <i>Science Advances</i> , 2018, 4, eaar6280.	10.3	62
3	Amplification of Surface Plasmon Coupled Emission from Graphene-Ag Hybrid Films. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17205-17210.	3.1	55
4	Enhanced fluoride adsorption by nano crystalline $\gamma$ -alumina: adsorption kinetics, isotherm modeling and thermodynamic studies. <i>Applied Water Science</i> , 2017, 7, 2413-2423.	5.6	38
5	Fluorescent silver nanoparticle based highly sensitive immunoassay for early detection of HIV infection. <i>RSC Advances</i> , 2017, 7, 19863-19877.	3.6	38
6	Femtogram Level Sensitivity achieved by Surface Engineered Silica Nanoparticles in the Early Detection of HIV Infection. <i>Scientific Reports</i> , 2017, 7, 7149.	3.3	28
7	Aqueous based reflux method for green synthesis of nanostructures: Application in CZTS synthesis. <i>MethodsX</i> , 2016, 3, 35-42.	1.6	25
8	MoS <sub>2</sub> /WS <sub>2</sub> /BN-Silver Thin-Film Hybrid Architectures Displaying Enhanced Fluorescence via Surface Plasmon Coupled Emission for Sensing Applications. <i>ACS Sensors</i> , 2016, 1, 826-833.	7.8	24
9	Development of carbon dot based microplate and microfluidic chip immunoassay for rapid and sensitive detection of HIV-1 p24 antigen. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	16
10	Excited state assisted three-photon absorption based optical limiting in nanocrystalline Cu <sub>2</sub> Se and FeSe <sub>2</sub> . <i>Optics Communications</i> , 2013, 304, 75-79.	2.1	15
11	Fourier-Bessel transform and time-frequency based approach for detecting manoeuvring air target in sea clutter. <i>IET Radar, Sonar and Navigation</i> , 2015, 9, 481-491.	1.8	13
12	Enhanced dissolution characteristics of piroxicam-Soluplus® nanosuspensions. <i>Journal of Experimental Nanoscience</i> , 2016, 11, 916-929.	2.4	13
13	One-Step Synthesis of Colloidal Quantum Dots of Iron Selenide Exhibiting Narrow Range Fluorescence in the Green Region. <i>Journal of Nanoscience</i> , 2013, 2013, 1-5.	2.6	10
14	Sub-picogram level sensitivity in HIV diagnostics achieved with the europium nanoparticle immunoassay through metal enhanced fluorescence. <i>Nanoscale Advances</i> , 2019, 1, 273-280.	4.6	9
15	Study of nonlinear optical absorption properties of Sb <sub>2</sub> Se <sub>3</sub> nanoparticles in the nanosecond and femtosecond excitation regime. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	8
16	Surface plasmon coupled emission as a novel analytical platform for the sensitive detection of cysteine. <i>Nanotechnology Reviews</i> , 2015, 4, 393-400.	5.8	7
17	Computational design and clinical demonstration of a copper nanocluster based universal immunosensor for sensitive diagnostics. <i>Nanoscale Advances</i> , 2020, 2, 304-314.	4.6	7
18	Surface plasmon coupled emission studies on engineered thin film hybrids of nano $\gamma$ -Al <sub>2</sub> O <sub>3</sub> on silver. , 2014, , .		6

#	ARTICLE	IF	CITATIONS
19	Effect of sulfur doping on thermoelectric properties of tin selenide – A first principles study. AIP Conference Proceedings, 2015, , .	0.4	5
20	Vanadium pentoxide nanoparticles based saturable absorbers. , 2012, , .		3
21	Optical nonlinear absorption characteristics of Sb <sub>2</sub> Se <sub>3</sub> nanoparticles. , 2014, , .		3
22	Precision Measurements of Internal Conversion Coefficients of Low Energy Transitions in $^{169}\text{Tm}$ for Efficiency Calibration of Electron Detectors. Physics of Atomic Nuclei, 2020, 83, 796-801.	0.4	1
23	Cu <sub>2</sub> ZnSnS <sub>4</sub> synthesized through a low-cost reflux method. Nanotechnology Reviews, 2015, 4, .	5.8	0
24	Low cost single step synthesis of nano-silica from silicone oil. Current Inorganic Chemistry, 2018, 08, .	0.2	0