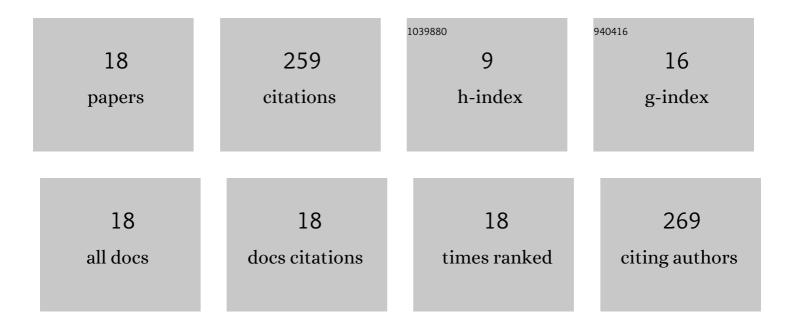
## Karthik S Pushpavanam

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/627980/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Versatile Detection and Monitoring of Ionizing Radiation Treatment Using Radiation-Responsive Gel Nanosensors. ACS Applied Materials & Interfaces, 2022, 14, 14997-15007.	4.0	6
2	Interrogating biomineralization one amino acid at a time: amplification of mutational effects in protein-aided titania morphogenesis through reaction-diffusion control. Chemical Communications, 2021, 57, 4803-4806.	2.2	4
3	Solid-Binding Proteins: Bridging Synthesis, Assembly, and Function in Hybrid and Hierarchical Materials Fabrication. Annual Review of Chemical and Biomolecular Engineering, 2021, 12, 333-357.	3.3	6
4	Radiation-Responsive Amino Acid Nanosensor Gel (RANG) for Radiotherapy Monitoring and Trauma Care. Bioconjugate Chemistry, 2021, 32, 1984-1998.	1.8	2
5	Phase Control of Nanocrystalline Inclusions in Bioprecipitated Titania with a Panel of Mutant Silica-Binding Proteins. Langmuir, 2020, 36, 8503-8510.	1.6	7
6	Plasmonic gel nanocomposites for detection of high energy electrons. Journal of Materials Chemistry B, 2020, 8, 4930-4939.	2.9	8
7	Flow-induced Shear Stress Confers Resistance to Carboplatin in an Adherent Three-Dimensional Model for Ovarian Cancer: A Role for EGFR-Targeted Photoimmunotherapy Informed by Physical Stress. Journal of Clinical Medicine, 2020, 9, 924.	1.0	31
8	Proteinâ€facilitated gold nanoparticle formation as indicators of ionizing radiation. Biotechnology and Bioengineering, 2019, 116, 3160-3167.	1.7	5
9	Determination of topographical radiation dose profiles using gel nanosensors. Science Advances, 2019, 5, eaaw8704.	4.7	22
10	Hydrogel Nanosensors for Colorimetric Detection and Dosimetry in Proton Beam Radiotherapy. ACS Applied Materials & Interfaces, 2018, 10, 3274-3281.	4.0	21
11	Mechanistic investigation of radiolysis-induced gold nanoparticle formation for radiation dose prediction. Biomedical Physics and Engineering Express, 2018, 4, 065011.	0.6	7
12	Detection of Therapeutic Levels of Ionizing Radiation Using Plasmonic Nanosensor Gels. Advanced Functional Materials, 2017, 27, 1606724.	7.8	28
13	Polypeptide-Facilitated Formation of Bimetallic Plasmonic Nanoparticles in Presence of Ionizing Radiation. Nano LIFE, 2017, 07, 1650006.	0.6	4
14	Molecular and Nanoscale Sensors for Detecting Ionizing Radiation in Radiotherapy. ChemNanoMat, 2016, 2, 385-395.	1.5	26
15	A Colorimetric Plasmonic Nanosensor for Dosimetry of Therapeutic Levels of Ionizing Radiation. ACS Nano, 2015, 9, 11540-11550.	7.3	38
16	Biotemplating Plasmonic Nanoparticles Using Intact Microfluidic Vasculature of Leaves. Langmuir, 2014, 30, 14095-14103.	1.6	11
17	Generation of Polypeptide-Templated Gold Nanoparticles using Ionizing Radiation. Langmuir, 2013, 29, 10166-10173.	1.6	20
18	An analysis of drifts and nonlinearities in electrochemical impedance spectra. Electrochimica Acta, 2011, 56, 7467-7475.	2.6	13