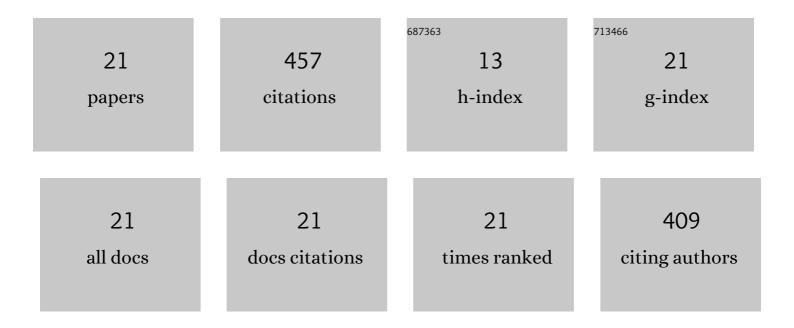
## Ranjith G Nair

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Role of type II heterojunction in ZnO–In2O3 nanodiscs for enhanced visible-light photocatalysis through the synergy of effective charge carrier separation and charge transport. Materials Chemistry and Physics, 2021, 263, 124431.	4.0	61
2	Defect-induced visible-light-driven photocatalytic and photoelectrochemical performance of ZnO–CeO2 nanoheterojunctions. Journal of Alloys and Compounds, 2021, 858, 157730.	5.5	54
3	Effect of aspect ratio on photocatalytic performance of hexagonal ZnO nanorods. Journal of Alloys and Compounds, 2020, 817, 153277.	5.5	47
4	Hierarchical ZnO-TiO2 nanoheterojunction: A strategy driven approach to boost the photocatalytic performance through the synergy of improved surface area and interfacial charge transport. Applied Surface Science, 2020, 534, 147321.	6.1	46
5	Engineering of ZnO nanostructures for efficient solar photocatalysis. Materials Letters, 2018, 219, 76-80.	2.6	33
6	Non-hydrolytic synthesis of hierarchical TiO2 nanostructures using natural cellulosic materials as both oxygen donors and templates. New Journal of Chemistry, 2012, 36, 2196.	2.8	23
7	MWCNT decorated V-doped titania: An efficient visible active photocatalyst. Journal of Alloys and Compounds, 2017, 695, 3511-3516.	5.5	23
8	Mn-doped ZnO:Role of morphological evolution on enhanced photocatalytic performance. Energy Reports, 2020, 6, 737-741.	5.1	20
9	Enhanced visible light photocatalytic disinfection of gram negative, pathogenic Escherichia coli bacteria with Ag/TiV oxide nanoparticles. Colloids and Surfaces B: Biointerfaces, 2011, 86, 7-13.	5.0	19
10	Ag-modified ZnO nanorods and its dual application in visible light-driven photoelectrochemical water oxidation and photocatalytic dye degradation: A correlation between optical and electrochemical properties. Advanced Powder Technology, 2022, 33, 103434.	4.1	19
11	A critical review on prospects and challenges of metal-oxide embedded g-C3N4-based direct Z-scheme photocatalysts for water splitting and environmental remediation. Applied Surface Science Advances, 2022, 11, 100273.	6.8	18
12	Photocatalytic activity of predominantly rutile mixed phase Ag/TiV oxide nanoparticles under visible light irradiation. Energy, 2011, 36, 3342-3347.	8.8	15
13	Organic photovoltaic cells using MWCNTs. New Carbon Materials, 2017, 32, 27-34.	6.1	14
14	Shape selective flower-like ZnO nanostructures prepared via structure-directing reagent free methods for efficient photocatalytic performance. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 269, 115149.	3.5	13
15	Fabrication of In2O3 functionalized ZnO based nanoheterojunction photoanode for improved DSSC performance through effective interfacial charge carrier separation. Optical Materials, 2021, 122, 111784.	3.6	12
16	Design improvement and performance evaluation of solar photocatalytic reactor for industrial effluent treatment. Ecotoxicology and Environmental Safety, 2016, 134, 301-307.	6.0	11
17	Investigation of the photoactivity of pristine and mixed phase N-doped titania under visible and solar irradiation. Materials Characterization, 2013, 83, 145-151.	4.4	8
18	Facile synthesis of thiol-stabilized CdSexTe1â^'x nanocrystals. Physica B: Condensed Matter, 2011, 406, 715-719.	2.7	7

Ranjith G Nair

#	Article	IF	CITATIONS
19	Effect of aspect ratio of c-axis oriented ZnO nanorods on photoelectrochemical performance and photoconversion efficiency. Optical Materials, 2021, 121, 111551.	3.6	6
20	Role of copper and silver modified titania photoanode on performance engineering of dye sensitized solar cells. Materials Letters, 2018, 221, 313-317.	2.6	4
21	Effect of anatase-rutile phase ratio of titania photoanode on photoelectrochemical performance and photoconversion efficiency. Optical Materials, 2022, 127, 112269.	3.6	4