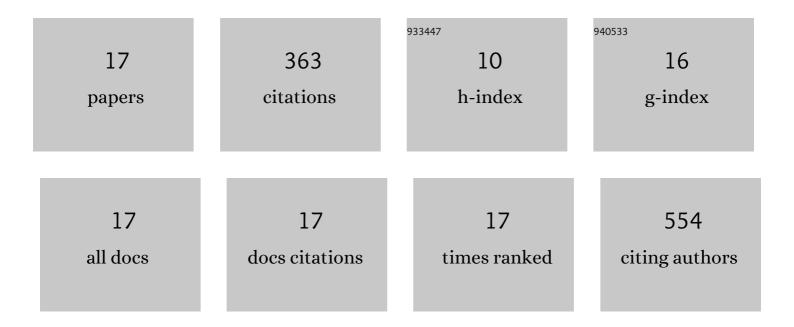
## Dr Rambabu Yalavarthi

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Photocatalytic reduction of carbon dioxide using graphene oxide wrapped TiO2 nanotubes. Applied Surface Science, 2019, 485, 48-55.	6.1	69
2	FeO-based nanostructures and nanohybrids for photoelectrochemical water splitting. Progress in Materials Science, 2020, 110, 100632.	32.8	47
3	Elucidating the role of surface states of BiVO4 with Mo doping and a CoOOH co-catalyst for photoelectrochemical water splitting. Journal of Power Sources, 2021, 483, 229080.	7.8	46
4	Radiative and Non-Radiative Recombination Pathways in Mixed-Phase TiO2 Nanotubes for PEC Water-Splitting. Catalysts, 2019, 9, 204.	3.5	38
5	Effect of annealing temperature on the phase transition, structural stability and photo-electrochemical performance of TiO 2 multi-leg nanotubes. Catalysis Today, 2016, 278, 255-261.	4.4	29
6	Enhanced photoelectrochemical performance of multi-leg TiO <sub>2</sub> nanotubes through efficient light harvesting. Journal Physics D: Applied Physics, 2015, 48, 295302.	2.8	26
7	TiO2 Nanotubes on Transparent Substrates: Control of Film Microstructure and Photoelectrochemical Water Splitting Performance. Catalysts, 2018, 8, 25.	3.5	19
8	Probing the charge recombination in rGO decorated mixed phase (anatase-rutile) TiO2 multi-leg nanotubes. AIP Advances, 2016, 6, .	1.3	16
9	Enhanced Photo-Electrochemical Performance of Reduced Graphene-Oxide Wrapped TiO <sub>2</sub> Multi-Leg Nanotubes. Journal of the Electrochemical Society, 2016, 163, H652-H656.	2.9	15
10	In situ characterizations of photoelectrochemical cells for solar fuels and chemicals. MRS Energy & Sustainability, 2020, 7, 1.	3.0	11
11	Enhancing Photoelectrochemical Energy Storage by Large-Area CdS-Coated Nickel Nanoantenna Arrays. ACS Applied Energy Materials, 2021, 4, 11367-11376.	5.1	10
12	Photo-electrochemical properties of graphene wrapped hierarchically branched nanostructures obtained through hydrothermally transformed TiO <sub>2</sub> nanotubes. Nanotechnology, 2017, 28, 405706.	2.6	9
13	Multi-Leg TiO2 Nanotube Photoelectrodes Modified by Platinized Cyanographene with Enhanced Photoelectrochemical Performance. Catalysts, 2020, 10, 717.	3.5	9
14	High photoelectrochemical performance of reduced graphene oxide wrapped, CdS functionalized, TiO <sub>2</sub> multi-leg nanotubes. Nanotechnology, 2020, 31, 275701.	2.6	8
15	Nanoscale Assembly of BiVO4/CdS/CoOx Core–Shell Heterojunction for Enhanced Photoelectrochemical Water Splitting. Catalysts, 2021, 11, 682.	3.5	7
16	Controlling phase fraction and crystal orientation via thermal oxidation of iron foils for enhanced photoelectrochemical performance. Catalysis Today, 2021, 361, 117-123.	4.4	4
17	Graphene Oxide Modified TiO <sub>2</sub> Micro Whiskers and Their Photo Electrochemical Performance. Journal of Nanoscience and Nanotechnology, 2016, 16, 4835-4839.	0.9	0