

# Ajay P Manuel

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

10  
papers

238  
citations

7  
h-index

11  
g-index

11  
ext. papers

343  
ext. citations

7.7  
avg, IF

3.91  
L-index

#	Paper	IF	Citations
10	High rate CO <sub>2</sub> photoreduction using flame annealed TiO <sub>2</sub> nanotubes. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 243, 522-536	21.8	88
9	Plexcitonics [Fundamental principles and optoelectronic applications. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 1821-1853	7.1	51
8	Noble Metal Free, Visible Light Driven Photocatalysis Using TiO <sub>2</sub> Nanotube Arrays Sensitized by P-Doped C <sub>3</sub> N <sub>4</sub> Quantum Dots. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1901275	8.1	34
7	Asymmetric Multipole Plasmon-Mediated Catalysis Shifts the Product Selectivity of CO Photoreduction toward C Products. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 7248-7258	9.5	16
6	Hot Electrons in TiO-Noble Metal Nano-Heterojunctions: Fundamental Science and Applications in Photocatalysis. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	15
5	Plasmonic photocatalysis and SERS sensing using ellipsometrically modeled Ag nanoisland substrates. <i>Nanotechnology</i> , <b>2020</b> , 31, 365301	3.4	12
4	Photocatalytic Mechanism Control and Study of Carrier Dynamics in CdS@CN Core-Shell Nanowires. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 47418-47439	9.5	11
3	CVD grown nitrogen doped graphene is an exceptional visible-light driven photocatalyst for surface catalytic reactions. <i>2D Materials</i> , <b>2020</b> , 7, 015002	5.9	6
2	Nonlithographic Formation of TaO Nanodimple Arrays Using Electrochemical Anodization and Their Use in Plasmonic Photocatalysis for Enhancement of Local Field and Catalytic Activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 4340-4351	9.5	4
1	TiO <sub>2</sub> -HfN Radial Nano-Heterojunction: A Hot Carrier Photoanode for Sunlight-Driven Water-Splitting. <i>Catalysts</i> , <b>2021</b> , 11, 1374	4	1