

Ajay P Manuel

List of Publications by Year in Descending Order

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