

# John P Philbin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6596543/publications.pdf>

Version: 2024-02-01

19  
papers

510  
citations

623188

14  
h-index

887659

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

838  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Simulations of nonradiative processes in semiconductor nanocrystals. <i>Journal of Chemical Physics</i> , 2022, 157, .  | 1.2 | 12        |
| 2  | Uncovering the Role of Hole Traps in Promoting Hole Transfer from Multiexcitonic Quantum Dots to Molecular Acceptors. <i>ACS Nano</i> , 2021, 15, 2281-2291.  | 7.3 | 21        |
| 3  | Dynamic lattice distortions driven by surface trapping in semiconductor nanocrystals. <i>Nature Communications</i> , 2021, 12, 1860.  | 5.8 | 19        |
| 4  | Computational Materials Insights Into Solid-State Multiqubit Systems. <i>PRX Quantum</i> , 2021, 2, .   | 3.5 | 3         |
| 5  | Colloidal Synthesis Path to 2D Crystalline Quantum Dot Superlattices. <i>ACS Nano</i> , 2021, 15, 2251-2262.  | 7.3 | 30        |
| 6  | Area and thickness dependence of Auger recombination in nanoplatelets. <i>Journal of Chemical Physics</i> , 2020, 153, 054104.  | 1.2 | 25        |
| 7  | Auger Recombination Lifetime Scaling for Type I and Quasi-Type II Core/Shell Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5132-5138.  | 2.1 | 30        |
| 8  | Sub-Bandgap Photoinduced Transient Absorption Features in CdSe Nanostructures: The Role of Trapped Holes. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17372-17378.  | 1.5 | 18        |
| 9  | Colloidal Atomic Layer Deposition with Stationary Reactant Phases Enables Precise Synthesis of $\alpha$ -Digital- $\text{VI}$ Nano-heterostructures with Exquisite Control of Confinement and Strain. <i>Journal of the American Chemical Society</i> , 2019, 141, 13487-13496. | 6.6 | 58        |
| 10 | Resilient Pathways to Atomic Attachment of Quantum Dot Dimers and Artificial Solids from Faceted CdSe Quantum Dot Building Blocks. <i>ACS Nano</i> , 2019, 13, 12322-12344.   | 7.3 | 36        |
| 11 | Determination of the In-Plane Exciton Radius in 2D CdSe Nanoplatelets <i>via</i> Magneto-optical Spectroscopy. <i>ACS Nano</i> , 2019, 13, 8589-8596.   | 7.3 | 35        |
| 12 | Electron-Hole Correlations Govern Auger Recombination in Nanostructures. <i>Nano Letters</i> , 2018, 18, 7889-7895.   | 4.5 | 54        |
| 13 | Catalytic Transformations of 1-Butene over Palladium. A Combined Experimental and Theoretical Study. <i>ACS Catalysis</i> , 2018, 8, 5675-5685.   | 5.5 | 14        |
| 14 | Charge Carrier Dynamics in Photocatalytic Hybrid Semiconductor-Metal Nanorods: Crossover from Auger Recombination to Charge Transfer. <i>Nano Letters</i> , 2018, 18, 5211-5216.  | 4.5 | 49        |
| 15 | Semiconductor Seeded Nanorods with Graded Composition Exhibiting High Quantum-Yield, High Polarization, and Minimal Blinking. <i>Nano Letters</i> , 2017, 17, 2524-2531.  | 4.5 | 51        |
| 16 | Berichtigung: Programming A Molecular Relay for Ultrasensitive Biodetection through $^{129}\text{Xe}$ NMR. <i>Angewandte Chemie</i> , 2016, 128, 13134-13134.   | 1.6 | 0         |
| 17 | Programming A Molecular Relay for Ultrasensitive Biodetection through $^{129}\text{Xe}$ NMR. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1733-1736.  | 7.2 | 26        |
| 18 | Synthesis of Enantiopure, Trisubstituted Cryptophane-A Derivatives. <i>Organic Letters</i> , 2012, 14, 3580-3583.   | 2.4 | 29        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Asymmetric Spin Transport in Colloidal Quantum Dot Junctions. Journal of Physical Chemistry C, 0, , . | 1.5 | 0         |