

# Gregory E Lecroy

## List of Publications by Year in descending order

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759233

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1491  
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible-Light-Activated Bactericidal Functions of Carbon $\alpha$ -Quantum Dots. ACS Applied Materials & Interfaces, 2016, 8, 10761-10766.	8.0	206
2	Carbon $\alpha$ -Quantum Dots for Fluorescence Labeling of Cells. ACS Applied Materials & Interfaces, 2015, 7, 19439-19445.	8.0	149
3	Functionalized carbon nanoparticles: Syntheses and applications in optical bioimaging and energy conversion. Coordination Chemistry Reviews, 2016, 320-321, 66-81.	18.8	122
4	Polymer/carbon nanocomposites for enhanced thermal transport properties $\alpha$ carbon nanotubes versus graphene sheets as nanoscale fillers. Journal of Materials Chemistry, 2012, 22, 17133.	6.7	77
5	Enhanced fluorescence properties of carbon dots in polymer films. Journal of Materials Chemistry C, 2016, 4, 6967-6974.	5.5	74
6	Functionalization of Carbon Nanoparticles and Defunctionalization $\alpha$ Toward Structural and Mechanistic Elucidation of Carbon $\alpha$ -Quantum Dots. Journal of Physical Chemistry C, 2016, 120, 25604-25611.	3.1	60
7	Host-Guest Carbon Dots for Enhanced Optical Properties and Beyond. Scientific Reports, 2015, 5, 12354.	3.3	42
8	Photoexcited state properties of carbon dots from thermally induced functionalization of carbon nanoparticles. Journal of Materials Chemistry C, 2016, 4, 10554-10561.	5.5	37
9	Systematic Comparison of Carbon Dots from Different Preparations $\alpha$ Consistent Optical Properties and Photoinduced Redox Characteristics in Visible Spectrum and Structural and Mechanistic Implications. Journal of Physical Chemistry C, 2018, 122, 21667-21676.	3.1	34
10	Host-guest carbon dots as high-performance fluorescence probes. Journal of Materials Chemistry C, 2017, 5, 6328-6335.	5.5	28
11	Electroluminescence of carbon $\alpha$ -quantum dots $\alpha$ From materials to devices. Chemical Physics Letters, 2014, 613, 40-44.	2.6	27
12	Zero-Dimensional Carbon Allotropes $\alpha$ Carbon Nanoparticles Versus Fullerenes in Functionalization by Electronic Polymers for Different Optical and Redox Properties. ACS Omega, 2018, 3, 5685-5691.	3.5	18
13	Fluorescent carbon $\alpha$ -quantum dots from thermochemical functionalization of carbon nanoparticles. Chemical Physics Letters, 2015, 639, 109-113.	2.6	10
14	Carbon $\alpha$ -TiO <sub>2</sub> hybrid dots in different configurations $\alpha$ optical properties, redox characteristics, and mechanistic implications. New Journal of Chemistry, 2018, 42, 10798-10806.	2.8	10
15	Carbon nanotube-assisted capturing of bacterial pathogens. RSC Advances, 2015, 5, 91246-91253.	3.6	4