

# K A Shiral Fernando

## List of Publications by Year in descending order

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32  
papers

9,139  
citations

236833

25  
h-index

414303

32  
g-index

32  
all docs

32  
docs citations

32  
times ranked

12262  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum-Sized Carbon Dots for Bright and Colorful Photoluminescence. <i>Journal of the American Chemical Society</i> , 2006, 128, 7756-7757.	6.6	4,049
2	Advances toward bioapplications of carbon nanotubes. <i>Journal of Materials Chemistry</i> , 2004, 14, 527.	6.7	827
3	Graphene Oxide: A Nonspecific Enhancer of Cellular Growth. <i>ACS Nano</i> , 2011, 5, 8100-8107.	7.3	630
4	Carbon Quantum Dots and Applications in Photocatalytic Energy Conversion. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 8363-8376.	4.0	613
5	Carbon Nanoparticles as Visible-Light Photocatalysts for Efficient CO <sub>2</sub> Conversion and Beyond. <i>Journal of the American Chemical Society</i> , 2011, 133, 4754-4757.	6.6	546
6	Selective Interactions of Porphyrins with Semiconducting Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2004, 126, 1014-1015.	6.6	426
7	Polymeric Carbon Nanocomposites from Carbon Nanotubes Functionalized with Matrix Polymer. <i>Macromolecules</i> , 2003, 36, 7199-7204.	2.2	423
8	Covalently PEGylated Carbon Nanotubes with Stealth Character In Vivo. <i>Small</i> , 2008, 4, 940-944.	5.2	153
9	Metallic Single-Walled Carbon Nanotubes for Conductive Nanocomposites. <i>Journal of the American Chemical Society</i> , 2008, 130, 1415-1419.	6.6	143
10	Reversible Accumulation of PEGylated Single-Walled Carbon Nanotubes in the Mammalian Nucleus. <i>ACS Nano</i> , 2008, 2, 2085-2094.	7.3	134
11	Functionalized carbon nanoparticles: Syntheses and applications in optical bioimaging and energy conversion. <i>Coordination Chemistry Reviews</i> , 2016, 320-321, 66-81.	9.5	122
12	High Aqueous Solubility of Functionalized Single-Walled Carbon Nanotubes. <i>Langmuir</i> , 2004, 20, 4777-4778.	1.6	119
13	Diminished Band-Gap Transitions of Single-Walled Carbon Nanotubes in Complexation with Aromatic Molecules. <i>Journal of the American Chemical Society</i> , 2004, 126, 10234-10235.	6.6	101
14	Characteristic Excitation Wavelength Dependence of Fluorescence Emissions in Carbon "Quantum" Dots. <i>Journal of Physical Chemistry C</i> , 2017, 121, 28180-28186.	1.5	93
15	Efficient Fluorescence Quenching in Carbon Dots by Surface-Doped Metals - Disruption of Excited State Redox Processes and Mechanistic Implications. <i>Langmuir</i> , 2012, 28, 16141-16147.	1.6	86
16	Sonochemically Assisted Thermal Decomposition of Alane (N,N-Dimethylethylamine with Titanium (IV) Isopropoxide in the Presence of Oleic Acid to Yield Air-Stable and Size-Selective Aluminum Core-Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009, 113, 500-503.	1.5	74
17	Enhanced fluorescence properties of carbon dots in polymer films. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6967-6974.	2.7	74
18	Visible-Light Photoconversion of Carbon Dioxide into Organic Acids in an Aqueous Solution of Carbon Dots. <i>Langmuir</i> , 2014, 30, 8631-8636.	1.6	67

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19	NMR Detection of Single-Walled Carbon Nanotubes in Solution. <i>Journal of the American Chemical Society</i> , 2005, 127, 7517-7520.	6.6	66
20	Functionalization of Carbon Nanoparticles and Defunctionalization—Toward Structural and Mechanistic Elucidation of Carbon Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25604-25611.	1.5	60
21	Spontaneous Hydrogen Generation from Organic-Capped Al Nanoparticles and Water. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 11-14.	4.0	58
22	Multispectroscopic (FTIR, XPS, and TOFMS-TPD) Investigation of the Core-Shell Bonding in Sonochemically Prepared Aluminum Nanoparticles Capped with Oleic Acid. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6377-6380.	1.5	57
23	Carbon dots for energy conversion applications. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	46
24	Luminescence Polarization Spectroscopy Study of Functionalized Carbon Nanotubes in a Polymeric Matrix. <i>Journal of Physical Chemistry B</i> , 2006, 110, 3001-3006.	1.2	38
25	Magnetotransport in transparent single-wall carbon nanotube networks. <i>Physical Review B</i> , 2007, 76, .	1.1	34
26	Poly(ethylene-co-vinyl alcohol) Functionalized Single-Walled Carbon Nanotubes and Related Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 1050-1054.	0.9	20
27	Noncovalent Interactions of Derivatized Pyrenes with Metallic and Semiconducting Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 11010-11015.	1.5	16
28	Migration of Silver Nanoparticles from Silver Decorated Graphene Oxide to Other Carbon Nanostructures. <i>Langmuir</i> , 2014, 30, 11776-11784.	1.6	16
29	Charge transport in transparent single-wall carbon nanotube networks. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 446006.	0.7	15
30	Preparation and Characterization of Alane Complexes for Energy Applications. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3318-3322.	1.5	12
31	Diameter-Selective Fractionation of HiPco Single-Walled Carbon Nanotubes in Repeated Functionalization Reactions. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10254-10259.	1.5	11
32	Carbon-TiO <sub>2</sub> hybrid dots in different configurations—optical properties, redox characteristics, and mechanistic implications. <i>New Journal of Chemistry</i> , 2018, 42, 10798-10806.	1.4	10