

Rafik Naccache

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33
papers

2,787
citations

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h-index

41
g-index

41
ext. papers

3,261
ext. citations

7.1
avg, IF

5.11
L-index

#	Paper	IF	Citations
33	Temperature sensing using fluorescent nanothermometers. <i>ACS Nano</i> , 2010 , 4, 3254-8	16.7	1082
32	Colloidal Tm ³⁺ /Yb ³⁺ -Doped LiYF ₄ Nanocrystals: Multiple Luminescence Spanning the UV to NIR Regions via Low-Energy Excitation. <i>Advanced Materials</i> , 2009 , 21, 4025-4028	24	367
31	Controlled Synthesis and Water Dispersibility of Hexagonal Phase NaGdF ₄ :Ho ³⁺ /Yb ³⁺ Nanoparticles. <i>Chemistry of Materials</i> , 2009 , 21, 717-723	9.6	333
30	Water dispersible ultra-small multifunctional KGdF ₄ :Tm ³⁺ , Yb ³⁺ nanoparticles with near-infrared to near-infrared upconversion. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16589		156
29	Microwave-assisted synthesis of carbon dots and their applications. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 7175-7195	7.1	132
28	Cross-Relaxation and Upconversion Processes in Pr ³⁺ Singly Doped and Pr ³⁺ /Yb ³⁺ Codoped Nanocrystalline Gd ₃ Ga ₅ O ₁₂ : The Sensitizer/Activator Relationship. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 7750-7756	3.8	95
27	Technology readiness and overcoming barriers to sustainably implement nanotechnology-enabled plant agriculture. <i>Nature Food</i> , 2020 , 1, 416-425	14.4	90
26	Structural and optical investigation of colloidal Ln ³⁺ /Yb ³⁺ co-doped KY ₃ F ₁₀ nanocrystals. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3149		76
25	Ratiometric detection of heavy metal ions using fluorescent carbon dots. <i>Environmental Science: Nano</i> , 2019 , 6, 1121-1130	7.1	70
24	Effects of nitrogen-doping on the photophysical properties of carbon dots. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 853-862	7.1	64
23	High relaxivities and strong vascular signal enhancement for NaGdF ₄ nanoparticles designed for dual MR/optical imaging. <i>Advanced Healthcare Materials</i> , 2013 , 2, 1478-88	10.1	55
22	High resolution fluorescence imaging of cancers using lanthanide ion-doped upconverting nanocrystals. <i>Cancers</i> , 2012 , 4, 1067-105	6.6	46
21	Intracellular ratiometric temperature sensing using fluorescent carbon dots. <i>Nanoscale Advances</i> , 2019 , 1, 105-113	5.1	43
20	Green synthesis of carbon dots and their applications.. <i>RSC Advances</i> , 2021 , 11, 25354-25363	3.7	21
19	A carbon dot-catalyzed transesterification reaction for the production of biodiesel. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 23794-23802	13	19
18	Visible upconversion emission of Pr ³⁺ doped gadolinium gallium garnet nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2004 , 4, 1025-31	1.3	19
17	Terahertz Thermometry: Combining Hyperspectral Imaging and Temperature Mapping at Terahertz Frequencies. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600342	8.3	15

16	Tuning residual chirality in carbon dots with anti-microbial properties.. <i>RSC Advances</i> , 2020 , 10, 32202-32210	3.7	14
15	Quantifying the photothermal conversion efficiency of plasmonic nanoparticles by means of terahertz radiation. <i>APL Photonics</i> , 2019 , 4, 126106	5.2	14
14	Graphitic carbon nitrides: Efficient heterogeneous catalysts for biodiesel production. <i>Nano Energy</i> , 2020 , 78, 105306	17.1	13
13	Facile Aqueous-Phase Synthesis of an Ultrasmall Bismuth Nanocatalyst for the Reduction of 4-Nitrophenol. <i>ACS Omega</i> , 2019 , 4, 14955-14961	3.9	12
12	Effects of polydopamine-passivation on the optical properties of carbon dots and its potential use in vivo. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 16595-16605	3.6	9
11	Elucidating the mechanism of dual-fluorescence in carbon dots. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 67-76	9.3	7
10	Ratiometric pH Sensing in Living Cells Using Carbon Dots. <i>Particle and Particle Systems Characterization</i> , 2020 , 37, 1900430	3.1	6
9	Carbon Dot-Sensitized Photoanodes for Visible Light-Driven Organic Transformations. <i>ACS Applied Nano Materials</i> , 2020 , 3, 2756-2765	5.6	5
8	Terahertz three-dimensional monitoring of nanoparticle-assisted laser tissue soldering. <i>Biomedical Optics Express</i> , 2020 , 11, 2254-2267	3.5	5
7	The effects of chemical and thermal exfoliation on the physico-chemical and optical properties of carbon nitrides. <i>Journal of Materials Chemistry C</i> ,	7.1	5
6	Imaging: high relaxivities and strong vascular signal enhancement for NaGdF ₄ nanoparticles designed for dual MR/optical imaging (Adv. Healthcare Mater. 11/2013). <i>Advanced Healthcare Materials</i> , 2013 , 2, 1477	10.1	4
5	Toward Uniform Optical Properties of Carbon Dots. <i>Particle and Particle Systems Characterization</i> , 2020 , 37, 2000119	3.1	4
4	Elucidating the Quenching Mechanism in Carbon Dot-Metal Interactions-Designing Sensitive and Selective Optical Probes. <i>Sensors</i> , 2021 , 21,	3.8	4
3	Optical Sensing: Ratiometric pH Sensing in Living Cells Using Carbon Dots (Part. Part. Syst. Charact. 1/2020). <i>Particle and Particle Systems Characterization</i> , 2020 , 37, 2070002	3.1	1
2	3D Network of Sepia Melanin and N- and, S-Doped Graphitic Carbon Quantum Dots for Sustainable Electrochemical Capacitors. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2100152	5.9	0
1	Selective detection of nitrotyrosine using dual-fluorescent carbon dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 279, 121444	4.4	0