

Aji A Anappara

List of Publications by Year in descending order

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42
papers

1,452
citations

566801

15
h-index

360668

35
g-index

42
all docs

42
docs citations

42
times ranked

1754
citing authors

#	ARTICLE	IF	CITATIONS
1	Specific ultralow level chemo-recognition using Graphene-fluorophore supramolecular assembly: Fine-tuning the fluorophore framework. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 266, 120408.	2.0	1
2	Comparative photoluminescence study of nitrogen-doped carbon dots co-doped with boron and sulphur. <i>Luminescence</i> , 2022, 37, 1475-1481.	1.5	4
3	Acetic acid derived carbon dots as efficient pH and bio-molecule sensor. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 506-512.	1.8	5
4	Multi-functional carbon dots for visual detection of picric acid and white-light emission. <i>Materials Research Bulletin</i> , 2021, 138, 111223.	2.7	9
5	Broadband absorption and photothermal conversion in titanium diboride. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
6	Facile synthesis of aqueous-dispersed luminescent nanosheets from non-layered lanthanum hexaboride. <i>RSC Advances</i> , 2020, 10, 31788-31793.	1.7	7
7	Photo-to-thermal conversion: effective utilization of futile solid-state carbon quantum dots (CQDs) for energy harvesting applications. <i>New Journal of Chemistry</i> , 2020, 44, 10662-10670.	1.4	6
8	Aqueous dispersions of highly luminescent boron-rich nanosheets by the exfoliation of polycrystalline titanium diboride. <i>New Journal of Chemistry</i> , 2019, 43, 9953-9960.	1.4	19
9	Tailored periodic Si nanopillar based architectures as highly sensitive universal SERS biosensing platform. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 264-271.	4.0	42
10	Photothermal effect in solid-state MWCNT: Possible signatures of thermal anisotropy. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	2
11	Influence of defects on electrical properties of electrodeposited co-doped ZnO nanocoatings. <i>Materials Research Express</i> , 2017, 4, 015001.	0.8	13
12	Long Life-time Room-temperature Phosphorescence of Carbon Dots in Aluminum Sulfate. <i>ChemistrySelect</i> , 2017, 2, 4058-4062.	0.7	31
13	Cool white, persistent room-temperature phosphorescence in carbon dots embedded in a silica gel matrix. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15137-15144.	1.3	89
14	White-Light-Emitting Carbon Dots Prepared by the Electrochemical Exfoliation of Graphite. <i>ChemPhysChem</i> , 2017, 18, 292-298.	1.0	61
15	Charge transport studies on Si nanopillars for photodetectors fabricated using vapor phase metal-assisted chemical etching. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	8
16	Magnesium diboride: An effective light-to-heat conversion material in solid-state. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	5
17	Ellagic acid-functionalized fluorescent carbon dots for ultrasensitive and selective detection of mercuric ions via quenching. <i>Journal of Luminescence</i> , 2017, 192, 761-766.	1.5	18
18	Enhanced photothermal effect in reduced graphene oxide in solid-state. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	9

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19	Microwave-assisted hydrothermal synthesis of UV-emitting carbon dots from tannic acid. <i>New Journal of Chemistry</i> , 2016, 40, 8110-8117.	1.4	40
20	Improved broadband and omnidirectional light absorption in silicon nanopillars achieved through gradient mesoporosity induced leaky waveguide modulation. <i>RSC Advances</i> , 2016, 6, 109157-109167.	1.7	16
21	Evolution mechanism of mesoporous silicon nanopillars grown by metal-assisted chemical etching and nanosphere lithography: correlation of Raman spectra and red photoluminescence. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	7
22	White light emission of carbon dots by creating different emissive traps. <i>Journal of Luminescence</i> , 2016, 178, 128-133.	1.5	46
23	Enhanced room temperature ferromagnetism in electrodeposited Co-doped ZnO nanostructured thin films by controlling the oxygen vacancy defects. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	33
24	Tuning of deep level emission in highly oriented electrodeposited ZnO nanorods by post growth annealing treatments. <i>Journal of Applied Physics</i> , 2014, 116, 074309.	1.1	9
25	Switching ultrastrong light-matter coupling on a subcycle scale. <i>Journal of Applied Physics</i> , 2011, 109, 102418.	1.1	9
26	Extreme THz nonlinearities in bulk and nanostructured semiconductors. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
27	Terahertz quantum optics with solid-state systems. , 2010, , .		0
28	Ultra-intense THz source and extreme THz nonlinearities in condensed matter. , 2009, , .		0
29	Sub-cycle switch-on of ultrastrong light-matter interaction. <i>Nature</i> , 2009, 458, 178-181.	13.7	498
30	Signatures of the ultrastrong light-matter coupling regime. <i>Physical Review B</i> , 2009, 79, .	1.1	268
31	How fast electrons and photons mix: Sub-cycle switching of intersubband cavity polaritons. <i>Journal of Physics: Conference Series</i> , 2009, 193, 012060.	0.3	2
32	Switch-on of Ultrastrong Light-Matter Interaction Faster than a Cycle of Light. , 2009, , .		0
33	Tailoring light-matter interaction in intersubband microcavities. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 1906-1908.	1.3	0
34	Photoacoustic thermal characterization of Al ₂ O ₃ -Ag ceramic nanocomposites. <i>Materials Chemistry and Physics</i> , 2008, 111, 38-41.	2.0	7
35	Cavity polaritons from excited-subband transitions. <i>Applied Physics Letters</i> , 2007, 91, 231118.	1.5	25
36	Controlling Polariton Coupling in Intersubband Microcavities. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	0

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37	Controlling polariton coupling in intersubband microcavities. Superlattices and Microstructures, 2007, 41, 308-312.	1.4	3
38	Giant intersubband polariton splitting in InAs/AlSb microcavities. Solid State Communications, 2007, 142, 311-313.	0.9	8
39	Tunnel-assisted manipulation of intersubband polaritons in asymmetric coupled quantum wells. Applied Physics Letters, 2006, 89, 171109.	1.5	33
40	Electrical control of polariton coupling in intersubband microcavities. Applied Physics Letters, 2005, 87, 051105.	1.5	68
41	Impedance spectroscopic studies of sol-gel derived subcritically dried silica aerogels. Acta Materialia, 2004, 52, 369-375.	3.8	38
42	Impedance spectral studies of sol-gel alumina-silver nanocomposites. Acta Materialia, 2003, 51, 3511-3519.	3.8	13