Anees A Ansari

List of Publications by Year
in descending order

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Version: 2024-02-01

144 papers	5,993 citations	61984 43 h-index	91884 69 g-index
145 all docs	145 docs citations	145 times ranked	5109 citing authors

#	Article	IF	Citations
1	Zinc oxide nanoparticles-chitosan composite film for cholesterol biosensor. Analytica Chimica Acta, 2008, 616, 207-213.	5.4	250
2	Solâ€“gel derived nanoporous cerium oxide film for application to cholesterol biosensor. Electrochemistry Communications, 2008, 10, 1246-1249.	4.7	213
3	Iron oxide-chitosan nanobiocomposite for urea sensor. Sensors and Actuators B: Chemical, 2009, 138, 572-580.	7.8	205
4	Luminescence properties of Tb3+-doped CaMoO4 nanoparticles: annealing effect, polar medium dispersible, polymer film and coreâ€“shell formation. Dalton Transactions, 2012, 41, 11032.	3.3	188
5	Sol-gel derived nanostructured cerium oxide film for glucose sensor. Applied Physics Letters, 2008, 92, .	3.3	138
6	Hydrogen peroxide sensor based on horseradish peroxidase immobilized nanostructured cerium oxide film. Journal of Biotechnology, 2009, 142, 179-184.	3.8	132
7	Chitosanâ€“iron oxide nanobiocomposite based immunosensor for ochratoxin-A. Electrochemistry Communications, 2008, 10, 1364-1368.	4.7	130
8	Nanostructured zinc oxide platform for mycotoxin detection. Bioelectrochemistry, 2010, 77, 75-81.	4.6	127
9	Multi-walled carbon nanotubes/solâ€“gel-derived silica/chitosan nanobiocomposite for total cholesterol sensor. Sensors and Actuators B: Chemical, 2009, 137, 727-735.	7.8	121
10	Zinc oxide-chitosan nanobiocomposite for urea sensor. Applied Physics Letters, 2008, 93, .	3.3	111
11	Enhanced photoluminescence in CaMoO4:Eu3+ by Gd3+ co-doping. Dalton Transactions, 2014, 43, 4779.	3.3	108
12	A nanostructured cerium oxide film-based immunosensor for mycotoxin detection. Nanotechnology, 2009, 20, 055105.	2.6	106
13	Nanostructured zinc oxide platform for cholesterol sensor. Applied Physics Letters, 2009, 94, 143901.	3.3	105
14	DNA-Based Nanobiosensors as an Emerging Platform for Detection of Disease. Sensors, 2015, 15, 14539-14568.	3.8	104
15	Nanostructured zinc oxide film for urea sensor. Materials Letters, 2009, 63, 2473-2475.	2.6	100
16	Structural and up-conversion properties of Er3+ and Yb3+ co-doped Y2Ti2O7 phosphors. Physical Chemistry Chemical Physics, 2013, 15, 3480.	2.8	98
17	Luminescent mesoporous LaVO4:Eu3+ core-shell nanoparticles: synthesis, characterization, biocompatibility and their cytotoxicity. Journal of Materials Chemistry, 2011, 21, 19310.	6.7	97
18	Luminescent lanthanide nanocomposites in thermometry: Chemistry of dopant ions and host matrices. Coordination Chemistry Reviews, 2021, 444, 214040.	18.8	96

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19	Nanostructured cerium oxide film for triglyceride sensor. Sensors and Actuators B: Chemical, 2009, 141, 551-556.	7.8	86
20	Recent progress of fluorescent materials for fingermarks detection in forensic science and anti-counterfeiting. Coordination Chemistry Reviews, 2022, 462, 214523.	18.8	85
21	Influence of Gd³⁺ co-doping on structural property of CaMoO₄:Eu nanoparticles. Dalton Transactions, 2014, 43, 4770-4778.	3.3	76
22	Functionalized upconversion nanoparticles: New strategy towards FRET-based luminescence bio-sensing. Coordination Chemistry Reviews, 2021, 436, 213821.	18.8	76
23	Nanomaterials as Analytical Tools for Genosensors. Sensors, 2010, 10, 963-993.	3.8	74
24	Iron oxide-chitosan hybrid nanobiocomposite based nucleic acid sensor for pyrethroid detection. Biochemical Engineering Journal, 2009, 46, 132-140.	3.6	72
25	Enhanced luminescence of CaMoO₄:Eu by core@shell formation and its hyperthermia study after hybrid formation with Fe₃O₄: cytotoxicity assessment on human liver cancer cells and mesenchymal stem cells. Integrative Biology (United Kingdom), 2014, 6, 53-64.	1.3	69
26	In-vitro cyto-toxicity, geno-toxicity, and bio-imaging evaluation of one-pot synthesized luminescent functionalized mesoporous SiO2@Eu(OH)3 core-shell microspheres. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 1328-1335.	3.3	64
27	Enhanced luminescence efficiency of aqueous dispersible NaYF₄:Yb/Er nanoparticles and the effect of surface coating. RSC Advances, 2016, 6, 22074-22082.	3.6	64
28	One-pot synthesis and photoluminescence properties of luminescent functionalized mesoporous SiO2@Tb(OH)3 coreâ€“shell nanospheres. Journal of Materials Chemistry, 2012, 22, 16649.	6.7	61
29	New advances in pre-clinical diagnostic imaging perspectives of functionalized upconversion nanoparticle-based nanomedicine. Coordination Chemistry Reviews, 2021, 440, 213971.	18.8	60
30	Solâ€“gel derived nano-structured zinc oxide film for sexually transmitted disease sensor. Analyst, The, 2009, 134, 997.	3.5	59
31	In vitro evaluation of anticancer and antibacterial activities of cobalt oxide nanoparticles. Journal of Biological Inorganic Chemistry, 2015, 20, 1319-1326.	2.6	58
32	Current progress in organicâ€“inorganic hetero-nano-interfaces based electrochemical biosensors for healthcare monitoring. Coordination Chemistry Reviews, 2022, 452, 214282.	18.8	57
33	Prospects of Nanotechnology in Clinical Immunodiagnostics. Sensors, 2010, 10, 6535-6581.	3.8	54
34	Effect of surface coating on optical properties of Eu3+-doped CaMoO4 nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 131, 30-36.	3.9	53
35	Surface modified lanthanide upconversion nanoparticles for drug delivery, cellular uptake mechanism, and current challenges in NIR-driven therapies. Coordination Chemistry Reviews, 2022, 457, 214423.	18.8	53
36	Optical and structural properties of solâ€“gel derived nanostructured CeO₂film. Journal of Semiconductors, 2010, 31, 053001.	3.7	52

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37	Physico-chemical properties and catalytic activity of the sol-gel prepared Ce-ion doped LaMnO3 perovskites. Scientific Reports, 2019, 9, 7747.	3.3	51
38	A facile one-pot flash combustion synthesis of La@ZnO nanoparticles and their characterizations for optoelectronic and photocatalysis applications. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 395, 112465.	3.9	51
39	Synthesis of optically active silica-coated NdF3 coreâ€“shell nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 86, 432-436.	3.9	50
40	Catalytic performance of the Ce-doped LaCoO3 perovskite nanoparticles. Scientific Reports, 2020, 10, 15012.	3.3	50
41	Potentiometric glucose sensor based on the glucose oxidase immobilized iron ferrite magnetic particle/chitosan composite modified gold coated glass electrode. Sensors and Actuators B: Chemical, 2012, 173, 698-703.	7.8	49
42	Structural and photoluminescence properties of Tb-doped CaMoO4 nanoparticles with sequential surface coatings. Materials Chemistry and Physics, 2014, 147, 715-721.	4.0	49
43	In vitro evaluation of anticancer and biological activities of synthesized manganese oxide nanoparticles. MedChemComm, 2016, 7, 1647-1653.	3.4	47
44	In vitro evaluation of cytotoxicity, possible alteration of apoptotic regulatory proteins, and antibacterial activity of synthesized copper oxide nanoparticles. Colloids and Surfaces B: Biointerfaces, 2017, 153, 320-326.	5.0	47
45	Organic-inorganic upconversion nanoparticles hybrid in dye-sensitized solar cells. Coordination Chemistry Reviews, 2021, 436, 213805.	18.8	47
46	Advancement in upconversion nanoparticles based NIR-driven photocatalysts. Renewable and Sustainable Energy Reviews, 2021, 151, 111631.	16.4	47
47	Optical and structural properties of nanostructured CeO2:Tb3+ film. Journal of Alloys and Compounds, 2011, 509, 262-265.	5.5	45
48	Fabrication of Well-Aligned ZnO Nanorods Using a Composite Seed Layer of ZnO Nanoparticles and Chitosan Polymer. Materials, 2013, 6, 4361-4374.	2.9	45
49	Synthesis, Structural and Optical Properties of Mn-Doped Ceria Nanoparticles: A Promising Catalytic Material. Acta Metallurgica Sinica (English Letters), 2016, 29, 265-273.	2.9	43
50	Evaluation of in vitro cytotoxicity, biocompatibility, and changes in the expression of apoptosis regulatory proteins induced by cerium oxide nanocrystals. Science and Technology of Advanced Materials, 2017, 18, 364-373.	6.1	43
51	Influence of Surface Coating on Structural and Photoluminescent Properties of CaMoO4:Pr Nanoparticles. Journal of Fluorescence, 2014, 24, 1253-1262.	2.5	42
52	Mesoporous multi-silica layer-coated Y2O3:Eu core-shell nanoparticles: Synthesis, luminescent properties and cytotoxicity evaluation. Materials Science and Engineering C, 2019, 96, 365-373.	7.3	42
53	Optical and structural studies of CaMoO4:Sm, CaMoO4:Sm@CaMoO4 and CaMoO4:Sm@CaMoO4@SiO2 coreâ€“shell nanoparticles. Journal of Luminescence, 2015, 157, 257-263.	3.1	40
54	Polyaniline-Cerium Oxide Nanocomposite for Hydrogen Peroxide Sensor. Journal of Nanoscience and Nanotechnology, 2009, 9, 4679-4685.	0.9	38

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55	Hypersensitivity in the 4fâ€“4f absorption spectra of tris (acetylacetonato) neodymium(III) complexes with imidazole and pyrazole in non-aqueous solutions. Effect of environment on hypersensitive transitions. Journal of Luminescence, 2012, 132, 51-60.	3.1	38
56	Coordination chemistry of the host matrices with dopant luminescent Ln3+ ion and their impact on luminescent properties. Coordination Chemistry Reviews, 2022, 466, 214584.	18.8	38
57	Solvent effect on optical properties of hydrated lanthanide tris-acetylacetone. Journal of Luminescence, 2007, 127, 446-452.	3.1	36
58	DNA-Based Applications in Nanobiotechnology. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-15.	3.0	36
59	Optical absorption and NMR spectroscopic studies on paramagnetic neodymium(III) complexes with Î²-diketone and heterocyclic amines. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 1178-1188.	3.9	35
60	Designing of luminescent GdPO 4 :Eu@LaPO 4 @SiO 2 core/shell nanorods: Synthesis, structural and luminescence properties. Solid State Sciences, 2017, 71, 117-122.	3.2	34
61	Sol-gel-derived titanium oxideâ€“cerium oxide biocompatible nanocomposite film for urea sensor. Journal of Materials Research, 2009, 24, 1667-1673.	2.6	33
62	Preparation, characterizations and in vitro cytotoxic activity of nickel oxide nanoparticles on HT-29 and SW620 colon cancer cell lines. Journal of Trace Elements in Medicine and Biology, 2019, 52, 12-17.	3.0	33
63	Synthesis and optical properties of nanostructured Ce(OH)₄. Journal of Semiconductors, 2010, 31, 033001.	3.7	32
64	Effect of cobalt doping on structural, optical and redox properties cerium oxide nanoparticles. Phase Transitions, 2016, 89, 261-272.	1.3	32
65	Highly aqueous soluble CaF2:Ce/Tb nanocrystals: effect of surface functionalization on structural, optical band gap, and photoluminescence properties. Journal of Materials Science: Materials in Medicine, 2016, 27, 178.	3.6	31
66	Structural, morphological, vibrational, optical, and nonlinear characteristics of spray pyrolyzed CdS thin films: Effect of Gd doping content. Materials Chemistry and Physics, 2020, 255, 123615.	4.0	30
67	Optical absorption and NMR spectroscopic studies on paramagnetic trivalent lanthanide complexes with 2,2â€²-bipyridine.. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 873-884.	3.9	29
68	Optical and electrical properties of electrochemically deposited polyaniline/CeO₂hybrid nanocomposite film. Journal of Semiconductors, 2011, 32, 043001.	3.7	29
69	Influence of copper ion doping on structural, optical and redox properties of CeO2 nanoparticles. Journal of Electroceramics, 2016, 36, 150-157.	2.0	29
70	Dielectric and electrical properties of La@NiO SNPs for high-performance optoelectronic applications. Ceramics International, 2021, 47, 15611-15621.	4.8	29
71	Nd-doped calcium molybdate core and particles: synthesis, optical and photoluminescence studies. Applied Physics A: Materials Science and Processing, 2014, 116, 1719-1728.	2.3	28
72	Optical absorption spectroscopic studies on holmium(III) complexes with Î²-diketone and heterocyclic amines. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 68, 1305-1312.	3.9	24

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73	Horse radish peroxidase immobilized polyaniline for hydrogen peroxide sensor. Polymers for Advanced Technologies, 2011, 22, 903-908.	3.2	24
74	Optical and Electrical Studies of Polyaniline/ZnO Nanocomposite. Journal of Nanomaterials, 2013, 2013, 1-5.	2.7	24
75	Influence of surface functionalization on structural and photo-luminescence properties of CeF 3 :Tb nanoparticles. Applied Surface Science, 2017, 409, 285-290.	6.1	24
76	Highly biocompatible, monodispersed and mesoporous La(OH)3:Eu@mSiO2 core-shell nanospheres: Synthesis and luminescent properties. Colloids and Surfaces B: Biointerfaces, 2018, 163, 133-139.	5.0	24
77	Silicaâ€modified luminescent LaPO₄:Eu@LaPO₄@SiO₂ core/shell nanorods: Synthesis, structural and luminescent properties. Luminescence, 2018, 33, 112-118.	2.9	24
78	Optical properties of pyridine funtionalized TbF3 nanoparticles. Journal of Nanoparticle Research, 2008, 10, 703-707.	1.9	23
79	Influence of Shell Formation on Morphological Structure, Optical and Emission Intensity on Aqueous Dispersible NaYF4:Ce/Tb Nanoparticles. Journal of Fluorescence, 2016, 26, 1151-1159.	2.5	23
80	Nuclear magnetic resonance and optical absorption spectroscopic studies on paramagnetic praseodymium(III) complexes with Î²-diketone and heterocyclic amines. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 68, 176-183.	3.9	22
81	Facile synthesis of water-soluble luminescent mesoporous Tb(OH)3@SiO2 core-shell nanospheres. Nanoscale Research Letters, 2013, 8, 163.	5.7	22
82	Photochemical studies of monodispersed YPO 4 :Eu microspheres: The role of surface modification on structural and luminescence properties. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 343, 126-132.	3.9	22
83	Effect of surface coating on structural and photophysical properties of CePO 4 :Tb, nanorods. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 222, 43-48.	3.5	22
84	Impact of surface coating on physical properties of europium-doped gadolinium fluoride microspheres. Journal of Fluorine Chemistry, 2017, 199, 7-13.	1.7	22
85	Synthesis of NiOâ€“CeO2 nanocomposite for electrochemical sensing of perilous 4-nitrophenol. Journal of Materials Science: Materials in Electronics, 2019, 30, 17643-17653.	2.2	22
86	Mesoporous silica modified luminescent Gd2O3:Eu nanoparticles: physicochemical and luminescence properties. Journal of Sol-Gel Science and Technology, 2019, 89, 785-795.	2.4	22
87	Facilely fabricated Dy:PbI2/glass thin films and their structural, linear and nonlinear optical studies for opto-nonlinear applications. Vacuum, 2020, 173, 109122.	3.5	22
88	Tailoring the structure-morphology-vibrational-optical-dielectric and electrical characteristics of Ce@NiO NPs produced by facile combustion route for optoelectronics. Materials Science in Semiconductor Processing, 2021, 126, 105647.	4.0	22
89	Microwave-assisted synthesis of Cu doped PbS nanostructures with enhanced dielectric and electrical properties for optoelectronic applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 271, 115268.	3.5	21
90	Nanostructured CeO2:Ag platform for electrochemically sensitive detection of nitrophenol. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 613, 126116.	4.7	20

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91	Preparation and photoluminescence properties of hydrothermally synthesized YVO4:Eu3+ nanofibers. Materials Letters, 2012, 88, 152-155.	2.6	19
92	Physicochemical and Redox Characteristics of Fe Ionâ€doped CeO₂ Nanoparticles. Journal of the Chinese Chemical Society, 2015, 62, 925-932.	1.4	19
93	Role of surface modification on physicochemical properties of luminescent YPO4:Tb nanorods. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 529, 286-291.	4.7	19
94	Synthesis of water-soluble luminescent LaVO4:Ln3+ porous nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	18
95	Design, synthesis and in vitro evaluation of anticancer and antibacterial potential of surface modified Tb(OH)₃@SiO₂coreâ€“shell nanoparticles. RSC Advances, 2016, 6, 18667-18677.	3.6	18
96	In-vitro cytotoxicity and cellular uptake studies of luminescent functionalized core-shell nanospheres. Saudi Journal of Biological Sciences, 2017, 24, 1392-1403.	3.8	18
97	A facile synthesis approach and impact of shell formation on morphological structure and luminescent properties of aqueous dispersible NaGdF4:Yb/Er upconversion nanorods. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	17
98	Influence of surface coating on structural, morphological and optical properties of upconversion-luminescent LaF3:Yb/Er nanoparticles. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	17
99	Synthesis and characterization of YVO₄:Eu³⁺nanoparticles: kinetics and isotherm studies for the removal of Cd²⁺metal ion. Desalination and Water Treatment, 2016, 57, 2081-2088.	1.0	17
100	Structural and spectroscopic studies of LaPO4:Ce/Tb@LaPO4@SiO2 nanorods: Synthesis and role of surface coating. Vibrational Spectroscopy, 2018, 94, 43-48.	2.2	17
101	THERMAL DECOMPOSITION AND KINETIC STUDIES OF TANNIC ACID USING MODEL FREE-METHODS. Journal of the Chilean Chemical Society, 2018, 63, 3824-3828.	1.2	17
102	Facile fabrication of novel nanostructured Au@PbI2 thin films and their structure, optical and NLO studies for higher order nonlinear applications. Materials Chemistry and Physics, 2021, 265, 124458.	4.0	17
103	Optimization of Redox and Catalytic Performance of LaFeO3 Perovskites: Synthesis and Physicochemical Properties. Journal of Electronic Materials, 2019, 48, 4351-4361.	2.2	16
104	Paramagnetic NMR shift, spectroscopic and molecular modeling studies of lanthanide(III)-morin complexes. Journal of Coordination Chemistry, 2008, 61, 3869-3878.	2.2	15
105	In Vitro Cytotoxicity of Mesoporous SiO₂@Eu(OH)₃Core-Shell Nanospheres in MCF-7. Journal of Nanomaterials, 2016, 2016, 1-6.	2.7	15
106	Highly colloidal luminescent porous Tb-doped gadolinium oxide nanoparticles: Photophysical and luminescent properties. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 371, 10-16.	3.9	15
107	Nanocubic magnesium oxide: Towards hydrazine sensing. Vacuum, 2018, 155, 682-688.	3.5	14
108	Aqueous dispersible green luminescent yttrium oxide:terbium microspheres with nanosilica shell coating. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 211, 348-355.	3.9	14

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109	Electrochemical Urea Biosensor Based on Sol-gel Derived Nanostructured Cerium Oxide. Journal of Physics: Conference Series, 2012, 358, 012006.	0.4	13
110	Physiochemical properties of greatly enhanced photoluminescence of aqueous dispersible upconversion CaF2:Yb/Er nanoparticles. Photochemical and Photobiological Sciences, 2017, 16, 890-896.	2.9	13
111	Solâ€“Gel Derived Nanostructured Tin Oxide Film for Glucose Sensor. Sensor Letters, 2009, 7, 64-71.	0.4	13
112	Preparation and Spectroscopic, Microscopic, Thermogravimetric, and Electrochemical Characterization of Silver-Doped Cerium(IV) Oxide Nanoparticles. Analytical Letters, 2017, 50, 1360-1371.	1.8	12
113	Comparative Structural, Optical, and Photoluminescence Studies of <scp>YF₃</scp>:Pr, <scp>YF₃</scp>:Pr@<scp>LaF₃</scp>, and <scp>YF₃</scp>:Pr@<scp>LaF₃</scp>@<scp>SiO₂</scp> Coreâ€“Shell Nanocrystals. Journal of the Chinese Chemical Society, 2017, 64, 440-448.	1.4	12
114	Synthesis, structural, and photoluminescence studies of LaF3:Pr, LaF3:Pr@LaF3, and LaF3:Pr@LaF3@SiO2 nanophosphors. Journal of the Australian Ceramic Society, 2018, 54, 493-500.	1.9	12
115	Synthesis, optical properties and toxic potentiality of photoluminescent lanthanum oxide nanospheres. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 607, 125511.	4.7	12
116	Optically active neodymium hydroxide surface-functionalized mesoporous silica micro-cocoons for biomedical applications. Colloids and Surfaces B: Biointerfaces, 2020, 189, 110877.	5.0	12
117	Synthesis and Characterization of a Biologically Active Lanthanum(III)â€“Catechin Complex and DNA Binding Spectroscopic Studies. Spectroscopy Letters, 2009, 42, 178-185.	1.0	11
118	Impact of surface coating on morphological, optical and photoluminescence properties of YF 3 :Tb 3+ nanoparticles. Chinese Chemical Letters, 2017, 28, 651-657.	9.0	11
119	Facile Synthesis Method for the Preparation of Largeâ€scale Ultraâ€small GdPO₄:Tb and GdPO₄:Tb@LaPO₄ Nanowires. Journal of the Chinese Chemical Society, 2018, 65, 490-496.	1.4	11
120	In-vitro cytotoxicity evaluation of surface design luminescent lanthanide core/shell nanocrystals. Arabian Journal of Chemistry, 2020, 13, 1259-1270.	4.9	11
121	Impact of LaF₃ and silica shell formation on the crystal, optical and photo-luminescence properties of LaF₃:Ce/Tb nanoparticles. Materials Chemistry Frontiers, 2017, 1, 727-734.	5.9	10
122	Mitigation of acyl-homoserine lactone (AHL) based bacterial quorum sensing, virulence functions, and biofilm formation by yttrium oxide core/shell nanospheres: Novel approach to combat drug resistance. Scientific Reports, 2019, 9, 18476.	3.3	10
123	Electrochemical sensitive detection of hydrazine through cobalt-doped cerium oxide nanostructured platform. Journal of Materials Science: Materials in Electronics, 2021, 32, 13897-13905.	2.2	9
124	Surface Coating Effect on Structural, Optical and Photoluminescence Properties of Eu3+ Doped Yttrium Fluoride Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 194-200.	3.7	8
125	Toxicity response of highly colloidal, bioactive, monodisperse SiO2@ Pr(OH)3 hollow microspheres. Colloids and Surfaces B: Biointerfaces, 2019, 182, 110390.	5.0	8
126	Mesoporous luminescent GdF3:Tb@LaF3@SiO2 nanorods: comparative structural and optoelectronic studies. Journal of Porous Materials, 2019, 26, 335-342.	2.6	8

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127	Biocompatible NaYF4:Yb,Er upconversion nanoparticles: Colloidal stability and optical properties. Journal of Saudi Chemical Society, 2021, 25, 101390.	5.2	8
128	Nanoporous characteristics of solâ€"gel-derived ZnO thin film. Journal of Semiconductors, 2012, 33, 042002.	3.7	7
129	Novel rare earth Dy doping impact on physical properties of PbI2 nanostructures synthesized by microwave route for optoelectronics. Materials Characterization, 2020, 170, 110688.	4.4	7
130	Physiochemical characterization of highly biocompatible, and colloidal LaF3:Yb/Er upconversion nanoparticles. Photochemical and Photobiological Sciences, 2021, 20, 1195-1208.	2.9	7
131	Zinc influence on nanostructured tin oxide (SnO2) films as ammonia sensor at room temperature. Surfaces and Interfaces, 2021, 25, 101195.	3.0	7
132	The Role of Solvent Environment on the Optical Behavior of Chemically Synthesized Silicon Nanoparticles. Journal of Spectroscopy, 2018, 2018, 1-9.	1.3	6
133	Effect of Surface Functionalization on Structural and Optical Properties of Luminescent LaF₃:Sm Nanoparticles. Journal of Nanoscience and Nanotechnology, 2018, 18, 1043-1050.	0.9	6
134	Highly Water-Soluble Luminescent Silica-Coated Cerium Fluoride Nanoparticles Synthesis, Characterizations, and In Vitro Evaluation of Possible Cytotoxicity. ACS Omega, 2020, 5, 19174-19180.	3.5	6
135	Physiochemical and Optical Properties of GdF3:Pr@LaF3@SiO2 Microspheres. Materials Research, 2018, 21, .	1.3	5
136	Highly hydrophilic CaF2:Yb/Er upconversion nanoparticles: Structural, morphological, and optical properties. Journal of Fluorine Chemistry, 2021, 247, 109820.	1.7	5
137	Nickle-ion-substituted ceria nanoparticles-based electrochemical sensor for sensitive detection of thiourea. Journal of Materials Science: Materials in Electronics, 2021, 32, 23266-23274.	2.2	5
138	Impact of Ni Ion-Doping on Structural, Optoelectronic and Redox Properties of CeO2 Nanoparticles. Journal of Electronic Materials, 2018, 47, 2557-2564.	2.2	4
139	Luminescent surface-functionalized mesoporous core-shell nanospheres and their cytotoxicity evaluation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 573, 146-156.	4.7	4
140	Electrochemical performance of the Mn-doped CeO2: nanoparticles for sensitive electrocatalysts the urea concentrations. Journal of the Australian Ceramic Society, 2022, 58, 217-225.	1.9	3
141	Effect of Environments on Optical Properties of Chemically Prepared Si Nanoparticles. Advanced Science, Engineering and Medicine, 2013, 5, 965-970.	0.3	2
142	Facile synthesized NaGdF₄:Yb,Er peanutâ€shaped, highly biocompatible, colloidal upconversion nanospheres. Luminescence, 2022, 37, 1048-1056.	2.9	2
143	Sensitive electrochemical detection of 4-nitrophenol through Copper doped CeO2 nanoparticles. Journal of Electroceramics, 2021, 47, 51-59.	2.0	1
144	Perovskite Nanoparticles as an Electrochemical Sensing Platform for Detection of Warfarin. Biosensors, 2022, 12, 92.	4.7	1