Elder De La Rosa

List of Publications by Year
in descending order

191 papers	5,319 citations	71102 41 h-index	110387 64 g-index
194 all docs	194 docs citations	194 times ranked	6094 citing authors

#	Article	IF	Citations
1	Nitrogen-Doped and CdSe Quantum-Dot-Sensitized Nanocrystalline TiO₂ Films for Solar Energy Conversion Applications. Journal of Physical Chemistry C, 2008, 112, 1282-1292.	3.1	192
2	Controlling the Growth and Luminescence Properties of Well-Faceted ZnO Nanorods. Journal of Physical Chemistry C, 2007, 111, 8489-8495.	3.1	186
3	Fiber Sagnac interferometer temperature sensor. Applied Physics Letters, 1997, 70, 19-21.	3.3	182
4	Enhancement of Upconversion Emission of LaPO₄:Er@Yb Coreâ^'Shell Nanoparticles/Nanorods. Journal of Physical Chemistry C, 2008, 112, 9650-9658.	3.1	153
5	Synthesis of assembled ZnO structures by precipitation method in aqueous media. Materials Chemistry and Physics, 2009, 115, 172-178.	4.0	134
6	Strong green upconversion emission in ZrO2:Yb3+â€“Ho3+ nanocrystals. Applied Physics Letters, 2005, 87, 241912.	3.3	123
7	Concentration effect of Er3+ ion on the spectroscopic properties of Er3+ and Yb3+/Er3+ co-doped phosphate glasses. Optical Materials, 2006, 28, 560-568.	3.6	119
8	Luminescence and visible upconversion in nanocrystalline ZrO2:Er3+. Applied Physics Letters, 2003, 83, 4903-4905.	3.3	105
9	Visible light emission under UV and IR excitation of rare earth doped ZrO2 nanophosphor. Optical Materials, 2005, 27, 1320-1325.	3.6	105
10	All-fiber absolute temperature sensor using an unbalanced high-birefringence Sagnac loop. Optics Letters, 1997, 22, 481.	3.3	100
11	Luminescent properties and energy transfer in ZrO2:Sm3+ nanocrystals. Journal of Applied Physics, 2003, 94, 3509-3515.	2.5	95
12	Efficient photoluminescence of Dy3+ at low concentrations in nanocrystalline ZrO2. Journal of Solid State Chemistry, 2008, 181, 75-80.	2.9	85
13	Radiative and non radiative spectroscopic properties of Er3+ ion in tellurite glass. Optics Communications, 2006, 260, 601-606.	2.1	81
14	Effect of alkali metal oxides R2O (R=Li, Na, K, Rb and Cs) and network intermediate MO (M=Zn, Mg, Ba) Tj ETQq0 0 0 rgBT /Overlock 10	3.6	78
15	Improving the Optoelectronic Properties of Mesoporous TiO₂ by Cobalt Doping for High-Performance Hysteresis-free Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 3571-3580.	8.0	78
16	Polarization microscopy with stellated gold nanoparticles for robust, in-situ monitoring of biomolecules. Optics Express, 2008, 16, 2153.	3.4	76
17	Role of Yb3+ and Er3+ concentration on the tunability of green-yellow-red upconversion emission of codoped ZrO2:Yb3+â€“Er3+ nanocrystals. Journal of Applied Physics, 2010, 108, .	2.5	73
18	Synthesis, characterization and luminescence properties of ZrO2:Yb3+â€“Er3+ nanophosphor. Optical Materials, 2005, 27, 1295-1300.	3.6	69

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19	Operating Mechanisms of Mesoscopic Perovskite Solar Cells through Impedance Spectroscopy and Jâ€“V Modeling. Journal of Physical Chemistry Letters, 2017, 8, 6073-6079.	4.6	69
20	Stimulated emission and radiative properties of Nd3+ ions in barium fluorophosphate glass containing sulphate. Journal of Luminescence, 2002, 99, 141-148.	3.1	68
21	Effect of Different Sensitization Technique on the Photoconversion Efficiency of CdS Quantum Dot and CdSe Quantum Rod Sensitized TiO₂ Solar Cells. Journal of Physical Chemistry C, 2015, 119, 13394-13403.	3.1	68
22	Ultrasensitive SERS Substrate for Label-Free Therapeutic-Drug Monitoring of Paclitaxel and Cyclophosphamide in Blood Serum. Analytical Chemistry, 2019, 91, 2100-2111.	6.5	67
23	Towards translation of surface-enhanced Raman spectroscopy (SERS) to clinical practice: Progress and trends. TrAC - Trends in Analytical Chemistry, 2021, 134, 116122.	11.4	62
24	Effect of P2O5 addition on structural and luminescence properties of Nd3+-doped tellurite glasses. Journal of Alloys and Compounds, 2016, 684, 322-327.	5.5	59
25	Low temperature synthesis and structural characterization of nanocrystalline YAG prepared by a modified solâ€“gel method. Optical Materials, 2005, 27, 1793-1799.	3.6	58
26	SERS substrates fabricated with star-like gold nanoparticles for zeptomole detection of analytes. Nanoscale, 2015, 7, 10249-10258.	5.6	57
27	Photovoltaic Properties of Bi2S3 and CdS Quantum Dot Sensitized TiO2 Solar Cells. Electrochimica Acta, 2015, 180, 486-492.	5.2	57
28	Enhanced cooperative absorption and upconversion in Yb3+doped YAG nanophosphors. Optical Materials, 2005, 27, 1305-1310.	3.6	55
29	Er³⁺and Yb³⁺concentration effect in the spectroscopic properties and energy transfer in Yb³⁺/Er³⁺codoped tellurite glasses. Journal Physics D: Applied Physics, 2008, 41, 095102.	2.8	55
30	Photovoltaic Conversion Enhancement of CdSe Quantum Dot-Sensitized TiO2 Decorated with Au Nanoparticles and P3OT. Journal of Physical Chemistry C, 2011, 115, 23209-23220.	3.1	53
31	High temperature thermoluminescence induced on UV-irradiated tetragonal ZrO2 prepared by solâ€“gel. Materials Letters, 2000, 45, 241-245.	2.6	52
32	Evidence of non-radiative energy transfer from the host to the active ions in monoclinic ZrO2:Sm3+. Journal Physics D: Applied Physics, 2001, 34, L83-L86.	2.8	51
33	Monoclinic ZrO2 as a broad spectral response thermoluminescence UV dosemeter. Radiation Measurements, 2003, 37, 187-190.	1.4	51
34	Preparation, photo- and thermo-luminescence characterization of Tb3+ and Ce3+ doped nanocrystalline Y3Al5O12 exposed to UV-irradiation. Optical Materials, 2004, 25, 285-293.	3.6	49
35	Structural Characterization and Luminescence of Porous Single Crystalline ZnO Nanodisks with Sponge-like Morphology. Journal of Physical Chemistry C, 2008, 112, 240-246.	3.1	47
36	Color tunability of the upconversion emission in Erâ€“Yb doped the wide band gap nanophosphors ZrO2 and Y2O3. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 174, 177-181.	3.5	47

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37	Eu-Doped BaTiO3 Powder and Film from Sol-Gel Process with Polyvinylpyrrolidone Additive. International Journal of Molecular Sciences, 2009, 10, 4088-4101.	4.1	45
38	Synthesis of co-doped Yb 3+ -Er 3+ :ZrO 2 upconversion nanoparticles and their applications in enhanced photovoltaic properties of quantum dot sensitized solar cells. Journal of Alloys and Compounds, 2017, 698, 433-441.	5.5	44
39	Surfactant effect on the upconversion emission and decay time of ZrO2:Yb-Er nanocrystals. Journal of Luminescence, 2009, 129, 449-455.	3.1	43
40	Spectroscopic properties of tellurite glasses co-doped with Er3+ and Yb3+. Journal of Luminescence, 2015, 162, 72-80.	3.1	42
41	Enhanced Photovoltaic Performance of Mesoscopic Perovskite Solar Cells by Controlling the Interaction between CH₃NH₃PbI₃ Films and CsPbX₃ Perovskite Nanoparticles. Journal of Physical Chemistry C, 2017, 121, 4239-4245.	3.1	42
42	Refractive index measurement of pure and Er3+-doped ZrO2â€“SiO2 solâ€“gel film by using the Brewster angle technique. Optical Materials, 2002, 19, 275-281.	3.6	41
43	Concentration enhanced red upconversion in nanocrystalline ZrO2Â:ÂEr under IR excitation. Journal Physics D: Applied Physics, 2004, 37, 2489-2495.	2.8	41
44	Influence of surface coating on the upconversion emission properties of LaPO4:Yb/Tm core-shell nanorods. Journal of Applied Physics, 2009, 105, 113532.	2.5	39
45	Brilliant blue, green and orangeâ€“red emission band on Tm3+-, Tb3+- and Eu3+-doped ZrO2nanocrystals. Journal Physics D: Applied Physics, 2010, 43, 465105.	2.8	38
46	Microwave hydrothermal synthesis and infrared to visible upconversion luminescence of Er3+/Yb3+ co-doped bismuth molybdate nanopowder. Journal of Luminescence, 2014, 145, 866-871.	3.1	38
47	Anti-fouling SERS-based immunosensor for point-of-care detection of the B7â€“H6 tumor biomarker in cervical cancer patient serum. Analytica Chimica Acta, 2020, 1138, 110-122.	5.4	38
48	Luminescence and thermoluminescence induced by Gamma and UV-irradiation in pure and rare earth doped zirconium oxide. Optical Materials, 2002, 19, 195-199.	3.6	37
49	Nanocrystalline tetragonal zirconium oxide stabilization at low temperatures by using rare earth ions: Sm3+ and Tb3+. Optical Materials, 2002, 20, 263-271.	3.6	37
50	Photovoltaic properties of multilayered quantum dot/quantum rod-sensitized TiO2 solar cells fabricated by SILAR and electrophoresis. Physical Chemistry Chemical Physics, 2015, 17, 18590-18599.	2.8	37
51	Enhancement of Efficiency in Quantum Dot Sensitized Solar Cells Based on CdS/CdSe/CdSeTe Heterostructure by Improving the Light Absorption in the VIS-NIR Region. Electrochimica Acta, 2017, 247, 899-909.	5.2	37
52	Novel anti-HER2 peptide-conjugated theranostic nanoliposomes combining NaYF₄:Yb,Er nanoparticles for NIR-activated bioimaging and chemo-photodynamic therapy against breast cancer. Nanoscale, 2019, 11, 20598-20613.	5.6	37
53	Spectroscopic characterization of Nd3+ ions in barium fluoroborophosphate glasses. Optical Materials, 2001, 18, 321-329.	3.6	36
54	Enhancement of optical properties of Nd3+ doped fluorophosphate glasses by alkali and alkaline earth metal co-doping. Optical Materials, 2003, 22, 201-213.	3.6	36

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55	Thermoluminescence characterization of Tb3+ and Ce3+ doped nanocrystalline Y3Al5O12 exposed to X- and Î²-ray irradiation. Optical Materials, 2004, 27, 293-299.	3.6	36
56	Luminescent properties and energy transfer processes of co-doped Ybâ€“Er poly-crystalline YAG matrix. Optical Materials, 2005, 27, 1839-1844.	3.6	36
57	An immunoconjugated up-conversion nanocomplex for selective imaging and photodynamic therapy against HER2-positive breast cancer. Nanoscale, 2018, 10, 10154-10165.	5.6	35
58	Understanding the infrared to visible upconversion luminescence properties of Er3+/Yb3+ co-doped BaMoO4 nanocrystals. Journal of Solid State Chemistry, 2014, 216, 36-41.	2.9	34
59	Role of carbon nanodots in defect passivation and photo-sensitization of mesoscopic-TiO2 for perovskite solar cells. Carbon, 2019, 146, 388-398.	10.3	33
60	Effect of the electrophoretic deposition of Au NPs in the performance CdS QDs sensitized solar Cells. Electrochimica Acta, 2016, 188, 710-717.	5.2	32
61	Green and red upconverted emission of hydrothermal synthesized Y2O3: Er3+â€“Yb3+ nanophosphors using different solvent ratio conditions. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 174, 164-168.	3.5	29
62	Strong blue and white photoluminescence emission of BaZrO3 undoped and lanthanide doped phosphor for light emitting diodes application. Journal of Solid State Chemistry, 2012, 196, 243-248.	2.9	29
63	Improved performance of CdS quantum dot sensitized solar cell by solvent modified SILAR approach. Solar Energy, 2018, 174, 240-247.	6.1	28
64	Blue-green upconversion emission in ZrO2:Yb3+ nanocrystals. Journal of Applied Physics, 2008, 104, .	2.5	27
65	Glucose detection using SERS with multi-branched gold nanostructures in aqueous medium. RSC Advances, 2014, 4, 59233-59241.	3.6	27
66	Panchromatic Solar-to-H₂ Conversion by a Hybrid Quantum Dotsâ€“Dye Dual Absorber Tandem Device. Journal of Physical Chemistry C, 2014, 118, 891-895.	3.1	27
67	Comparative study of the spectroscopic properties of Yb3+/Er3+ codoped tellurite glasses modified with R2O (R=Li, Na and K). Journal of Luminescence, 2012, 132, 391-397.	3.1	26
68	Spectroscopic properties of Eu3+/Nd3+ co-doped phosphate glasses and opaque glassâ€“ceramics. Optical Materials, 2015, 46, 34-39.	3.6	26
69	Red, green, blue and white light upconversion emission in Yb3+/Tm3+/Ho3+co-doped tellurite glasses. Journal Physics D: Applied Physics, 2011, 44, 455308.	2.8	25
70	Nanomolar detection of glucose using SERS substrates fabricated with albumin coated gold nanoparticles. Nanoscale, 2016, 8, 11862-11869.	5.6	25
71	Effect of the CTAB concentration on the upconversion emission of ZrO2:Er3+ nanocrystals. Optical Materials, 2006, 29, 31-37.	3.6	24
72	Comparison Between Isothermal Cold and Melt Crystallization of Polylactide/Clay Nanocomposites. Journal of Nanoscience and Nanotechnology, 2008, 8, 1658-1668.	0.9	24

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73	Magnetite and magnetite/silver core/shell nanoparticles with diluted magnet-like behavior. Journal of Solid State Chemistry, 2010, 183, 99-104.	2.9	24
74	Effect of TEA on the blue emission of ZnO quantum dots with high quantum yield. Optical Materials Express, 2015, 5, 1109.	3.0	24
75	Stealth modified bottom up SERS substrates for label-free therapeutic drug monitoring of doxorubicin in blood serum. Talanta, 2020, 218, 121138.	5.5	24
76	Thermoluminescence and optically stimulated luminescence properties of nanocrystalline Er3+and Yb3+doped Y3Al5O12exposed to Î²-rays. Journal Physics D: Applied Physics, 2005, 38, 3854-3859.	2.8	23
77	Controlling trapping states on selective theranostic core@shell (NaYF₄:Yb,Tm@TiO₂-ZrO₂) nanocomplexes for enhanced NIR-activated photodynamic therapy against breast cancer cells. Dalton Transactions, 2019, 48, 9962-9973.	3.3	23
78	Influence of borate content on the radiative properties of Nd3+ ions in fluorophosphate glasses. Journal of Physics and Chemistry of Solids, 2003, 64, 69-76.	4.0	22
79	Thermoluminescence characterization of nanocrystalline and single Y3Al5O12 crystal exposed to Î²-irradiation for dosimetric applications. Optical Materials, 2005, 27, 1240-1244.	3.6	22
80	Enhancing the Up-Conversion Emission of ZrO₂:Er³⁺ Nanocrystals Prepared by a Micelle Process. Journal of Physical Chemistry C, 2007, 111, 17110-17117.	3.1	22
81	Thermoluminescence properties of undoped and Tb3+ and Ce3+ doped YAG nanophosphor under UV-, X- and Î²-ray irradiation. Nuclear Instruments & Methods in Physics Research B, 2007, 255, 357-364.	1.4	22
82	Studying the role of CdS on the TiO2 surface passivation to improve CdSeTe quantum dots sensitized solar cell. Journal of Alloys and Compounds, 2017, 728, 1058-1064.	5.5	22
83	Structural and luminescence characterization of silica coated Y2O3:Eu3+ nanopowders. Optical Materials, 2010, 32, 1471-1479.	3.6	21
84	Multicolor Upconversion Emission and Color Tunability in Tm3+/Er3+/Yb3+ Tri-Doped NaNbO3 Nanocrystals. Materials Express, 2012, 2, 294-302.	0.5	21
85	Effect of BaF 2 addition on luminescence properties of Er 3+ /Yb 3+ co-doped phosphate glasses. Journal of Rare Earths, 2018, 36, 58-63.	4.8	21
86	Modulating the grain size, phase and optoelectronic quality of perovskite films with cesium iodide for high-performance solar cells. Journal of Materials Chemistry C, 2018, 6, 7880-7889.	5.5	21
87	Visible upconversion emission and non-radiative direct Yb3+ to Er3+ energy transfer processes in nanocrystalline ZrO2:Yb3+,Er3+. Optics and Lasers in Engineering, 2011, 49, 703-708.	3.8	20
88	Light-induced effects on crystal size and photo-stability of colloidal CsPbBr₃ perovskite nanocrystals. Materials Research Express, 2019, 6, 045041.	1.6	19
89	Current improvement in hybrid quantum dot sensitized solar cells by increased light-scattering with a polymer layer. RSC Advances, 2015, 5, 36140-36148.	3.6	18
90	Interfacial Engineering of TiO₂ by Graphene Nanoplatelets for High-Efficiency Hysteresis-free Perovskite Solar Cells. ACS Sustainable Chemistry and Engineering, 2018, 6, 15391-15401.	6.7	18

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91	A Turn-On Luminescence Method for Phosphate Determination Based on Fast Green-Functionalized ZrO₂:Yb,Er@ZrO₂ Core@Shell Upconversion Nanoparticles. Analytical Chemistry, 2019, 91, 14657-14665.	6.5	18
92	Absorption and refractive index changes of poly (3-octylthiophene) under NO2 gas exposure. Optical Materials, 2006, 29, 167-172.	3.6	17
93	Solvent and surfactant effect on the self-assembly and luminescence properties of ZrO2:Eu3+ nanoparticles. Applied Physics B: Lasers and Optics, 2011, 102, 641-649.	2.2	17
94	White light generation from YAG/YAM:Ce3+, Pr3+, Cr3+ nanophosphors mixed with a blue dye under 340nm excitation. Journal of Luminescence, 2014, 154, 185-192.	3.1	17
95	Improved performance of mesoscopic perovskite solar cell using an accelerated crystalline formation method. Journal of Power Sources, 2017, 365, 169-178.	7.8	17
96	Theranostic nanocomplex of gold-decorated upconversion nanoparticles for optical imaging and temperature-controlled photothermal therapy. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 384, 112053.	3.9	17
97	Ligand-targeted Theranostic Liposomes combining methylene blue attached upconversion nanoparticles for NIR activated bioimaging and photodynamic therapy against HER-2 positive breast cancer. Journal of Luminescence, 2021, 237, 118143.	3.1	17
98	Annealing effect on the luminescence properties of BaZrO3:Yb3+ microcrystals. Journal of Applied Physics, 2008, 104, .	2.5	16
99	Strong Visible Cooperative Up-Conversion Emission in ZrO₂:Yb³⁺ Nanocrystals. Journal of Nanoscience and Nanotechnology, 2005, 5, 1480-1486.	0.9	15
100	Photoluminescence characterization of porous YAG: Yb3+â€“Er3+ nanoparticles. Journal of Luminescence, 2014, 153, 21-28.	3.1	15
101	Photovoltaic study of quantum dot-sensitized TiO2/CdS/ZnS solar cell with P3HT or P3OT added. Journal of Applied Electrochemistry, 2016, 46, 975-985.	2.9	15
102	Study of ethoxyethane deposition time and Co (III) complex doping on the performance of mesoscopic perovskite based solar cells. Solar Energy Materials and Solar Cells, 2017, 163, 224-230.	6.2	14
103	Improving pure red upconversion emission of Co-doped Y2O3:Yb3+â€“Er3+ nanocrystals with a combination of sodium sulfide and surfactant Pluronic-F127. Journal of Luminescence, 2014, 145, 292-298.	3.1	13
104	Labeling of HeLa cells using ZrO 2 : Yb 3 + - Er 3 + nanoparticles with upconversion emission. Journal of Biomedical Optics, 2015, 20, 046006.	2.6	13
105	The red emission in two and three steps up-conversion process in a doped erbium SiO2â€“TiO2 solâ€“gel powder. Journal of Luminescence, 2003, 102-103, 504-509.	3.1	12
106	Room-temperature deposition of crystalline patterned ZnO films by confined dewetting lithography. Applied Surface Science, 2010, 256, 3386-3389.	6.1	12
107	Y2O3:Eu3+,Tb3+ thin films prepared by solâ€“gel method: structural and optical studies. Journal of Sol-Gel Science and Technology, 2011, 58, 366-373.	2.4	12
108	Lu2O3:Eu3+ glass ceramic films: Synthesis, structural and spectroscopic studies. Materials Research Bulletin, 2014, 51, 418-425.	5.2	12

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109	SERS and integrative imaging upon internalization of quantum dots into human oral epithelial cells. Journal of Biophotonics, 2016, 9, 683-693.	2.3	12
110	Improving the stability of perovskite solar cells under harsh environmental conditions. Solar Energy, 2020, 202, 438-445.	6.1	12
111	Characterization of Fluorescence Induced by Side Illumination of Rhodamine B Doped Plastic Optical Fibers. Fiber and Integrated Optics, 2001, 20, 457-464.	2.5	11
112	Synthesis and photoluminescence of Y2O3:Yb3+â€“Er3+ nanofibers. Microelectronics Journal, 2008, 39, 551-555.	2.0	11
113	Structural and Chemical Characterization of Yb₂O₃-ZrO₂ System by HAADF-STEM and HRTEM. Microscopy and Microanalysis, 2009, 15, 46-53.	0.4	11
114	Eu³⁺â€doped glass as a color rendering index enhancer in phosphorâ€inâ€glass. Journal of the American Ceramic Society, 2018, 101, 2914-2920.	3.8	11
115	Synthesis and characterization of Fe3O4:Yb3+:Er3+ nanoparticles with magnetic and optical properties for hyperthermia applications. Journal of Magnetism and Magnetic Materials, 2018, 465, 406-411.	2.3	11
116	Study of inverted planar CH3NH3PbI3 perovskite solar cells fabricated under environmental conditions. Solar Energy, 2019, 180, 594-600.	6.1	11
117	Nanoparticle thin films of nanocrystalline YAG by pulsed laser deposition. Optical Materials, 2005, 27, 1217-1220.	3.6	10
118	Synthesis and Characterization of Amorphous SiO₂ Nanowires Derived from a Polymeric Precursor. Journal of Nanoscience and Nanotechnology, 2008, 8, 997-1002.	0.9	10
119	Biomolecule Assisted Hydrothermal Synthesis of Chainlike Network of Silver Sulfide Nanostructures. Journal of Nanoscience and Nanotechnology, 2008, 8, 986-992.	0.9	10
120	Gold aggregates on silica templates and decorated silica arrays for SERS applications. European Physical Journal D, 2011, 63, 301-306.	1.3	10
121	Eu³⁺, Bi³⁺ codoped Lu₂O₃ nanopowders: Synthesis and luminescent properties. Journal of Materials Research, 2013, 28, 1365-1371.	2.6	10
122	Switching green to red emission in tridoped ZrO2:Yb3+â€“Er3+â€“Bi3+ nanocrystals. Optical Materials, 2015, 48, 92-96.	3.6	10
123	Improved performance of inverted planar MAPbI3 based perovskite solar cells using bromide post-synthesis treatment. Solar Energy, 2019, 177, 538-544.	6.1	10
124	Optically stimulated luminescence properties of nanocrystalline Y3Al5O12 phosphor exposed to Î² radiation. Optical Materials, 2005, 27, 1245-1249.	3.6	9
125	Third-order nonlinear optical response and photoluminescence characterization of tellurite glasses with different alkali metal oxides as network modifiers. Journal of Applied Physics, 2011, 110, 083110.	2.5	9
126	Green upconverted emission enhancement of ZrO₂â€‰:â€‰Yb³⁺â€“Ho³⁺nanocrystals. Journal Physics D: Applied Physics, 2009, 42, 235105.	2.8	8

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127	Cooperative Pair Driven Quenching of Yb³⁺ Emission in Nanocrystalline ZrO₂:Yb³⁺. Journal of Nano Research, 0, 5, 121-134.	0.8	8
128	Synthesis and optical properties of BaTiO3:Eu3+@SiO2 glass ceramic nano particles. Journal of Sol-Gel Science and Technology, 2014, 72, 435-442.	2.4	8
129	Influence of pH and europium concentration on the luminescent and morphological properties of Y2O3 powders. Optical Materials, 2015, 48, 97-104.	3.6	8
130	Er3+ loaded barium molybdate nanoparticles: IR to visible spectral upconversion. Materials Letters, 2015, 142, 7-10.	2.6	8
131	Wall Rock-Like Y2O3 Nanorods by Hydrothermal Synthesis and their Luminescence Properties. Science of Advanced Materials, 2012, 4, 551-557.	0.7	8
132	Effect of solvent on the up- and downconversion emissions of Y_2O_3:Yb^3+â^'Er^3+ nanofibers synthesized by a hydrothermal method. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 649.	2.1	7
133	Upconversion emission in a carbon-implanted Yb:YAG planar waveguide. Optics Communications, 2012, 285, 5531-5534.	2.1	7
134	Strong enhancement of the upconversion emission in ZrO2: Yb3+, Er3+, Gd3+ nanocubes synthesized with Na2S. Journal of Luminescence, 2016, 172, 154-160.	3.1	7
135	SERS-active Au/SiO_2 clouds in powder for rapid ex vivo breast adenocarcinoma diagnosis. Biomedical Optics Express, 2016, 7, 2407.	2.9	7
136	Hydrothermal synthesis of graphene oxide/multiform hydroxyapatite nanocomposite: its influence on cell cytotoxicity. Materials Research Express, 2018, 5, 125023.	1.6	7
137	OSL and TL dosimeter characterization of boron doped CVD diamond films. Optical Materials, 2005, 27, 1231-1234.	3.6	6
138	Fiber-Optic Chemical Sensor for Detection of NO2Using Poly (3-Octylthiophene). Fiber and Integrated Optics, 2007, 26, 335-342.	2.5	6
139	Interaction of TGA@CdTe Quantum Dots with an Extracellular Matrix of Haematococcus pluvialis Microalgae Detected Using Surface-Enhanced Raman Spectroscopy (SERS). Applied Spectroscopy, 2016, 70, 1561-1572.	2.2	6
140	Tuning Color Temperature of White OLEDs in Parallel Tandems. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700283.	1.8	6
141	Temperature-Induced Changes of Sensitivity in the Unbalanced Hi-Bi Fiber Sagnac Interferometer. Fiber and Integrated Optics, 1999, 18, 41-48.	2.5	5
142	Temperature effect in the crystallite size and the photoluminescence of nanocrystalline ZrO 2 :Sm3+phosphor. , 2004, , .		5
143	High angle annular dark field-scanning transmission electron microscopy and high-resolution transmission electron microscopy studies in the Er2O3â€“ZrO2 system. Vacuum, 2010, 84, 1226-1231.	3.5	5
144	Polarimetric characterization of bismuth thin films deposited by laser ablation. Applied Optics, 2012, 51, 8549.	1.8	5

#	Article	IF	Citations
145	Synthesis, characterization and surface enhanced Raman scattering of hollow goldâ€“silica double shell nanostructures. Biomedical Spectroscopy and Imaging, 2012, 1, 275-291.	1.2	5
146	White light emission from a blue polymer light emitting diode combined with <scp>YAG</scp>:<scp>C</scp>e³⁺ nanoparticles. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 651-655.	1.8	5
147	Imaging and SERS Study of the Au Nanoparticles Interaction with HPV and Carcinogenic Cervical Tissues. Molecules, 2021, 26, 3758.	3.8	5
148	Thermo-luminescence induced by gamma irradiation in sol-gel prepared zirconia-silica materials. Materials Research Innovations, 2000, 4, 32-35.	2.3	4
149	Anisotropic media with orthogonal eigenpolarizations. Journal of Optics, 2002, 4, 419-423.	1.5	4
150	Concentration and crystallite size dependence of the photoluminescence in YAG:Ce3+nanophosphor. , 2004, , .		4
151	Synthesis of Lu₂O₃:Eu³⁺ Luminescent Ceramic Powder Embedded in SiO₂ Matrix. Materials Transactions, 2014, 55, 1867-1871.	1.2	4
152	Semi-transparent polymer light emitting diodes with multiwall carbon nanotubes as cathodes. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2828-2832.	1.8	4
153	Tunable color parallel tandem organic light emitting devices with carbon nanotube and metallic sheet interlayers. Journal of Applied Physics, 2015, 118, 194502.	2.5	4
154	Co-sensitized TiO2 electrodes with different quantum dots for enhanced hydrogen evolution in photoelectrochemical cells. Journal of Applied Electrochemistry, 2019, 49, 475-484.	2.9	4
155	Enhanced Raman Effect of Solvothermal Synthesized Reduced Graphene Oxide/Titanium Dioxide Nanocomposites. ChemistrySelect, 2020, 5, 3789-3797.	1.5	4
156	Photoluminescence and thermoluminescence of YAG:Ce3+,Tb3+nanocrystalline under UV-, X- and Î²-irradiation. , 2003, , .		3
157	Role of the Hydrothermal Synthesis Conditions on the Structure and Morphology of Co-Doped Y₂O₃:Er³⁺-Yb³⁺ Nanostructured Materials. Journal of Nano Research, 2010, 9, 109-116.	0.8	3
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