

Elder De La Rosa

List of Publications by Year in descending order

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191
papers

5,319
citations

71102

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all docs

194
docs citations

194
times ranked

6094
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards translation of surface-enhanced Raman spectroscopy (SERS) to clinical practice: Progress and trends. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 134, 116122.	11.4	62
2	Imaging and SERS Study of the Au Nanoparticles Interaction with HPV and Carcinogenic Cervical Tissues. <i>Molecules</i> , 2021, 26, 3758.	3.8	5
3	Ligand-targeted Theranostic Liposomes combining methylene blue attached upconversion nanoparticles for NIR activated bioimaging and photodynamic therapy against HER-2 positive breast cancer. <i>Journal of Luminescence</i> , 2021, 237, 118143.	3.1	17
4	Anti-fouling SERS-based immunosensor for point-of-care detection of the B7â€“H6 tumor biomarker in cervical cancer patient serum. <i>Analytica Chimica Acta</i> , 2020, 1138, 110-122.	5.4	38
5	Stealth modified bottom up SERS substrates for label-free therapeutic drug monitoring of doxorubicin in blood serum. <i>Talanta</i> , 2020, 218, 121138.	5.5	24
6	Improving the stability of perovskite solar cells under harsh environmental conditions. <i>Solar Energy</i> , 2020, 202, 438-445.	6.1	12
7	Enhanced Raman Effect of Solvothermal Synthesized Reduced Graphene Oxide/Titanium Dioxide Nanocomposites. <i>ChemistrySelect</i> , 2020, 5, 3789-3797.	1.5	4
8	A Turn-On Luminescence Method for Phosphate Determination Based on Fast Green-Functionalized $ZrO_2 \cdot Yb, Er @ ZrO_2$ Core@Shell Upconversion Nanoparticles. <i>Analytical Chemistry</i> , 2019, 91, 14657-14665.	6.5	18
9	Theranostic nanocomplex of gold-decorated upconversion nanoparticles for optical imaging and temperature-controlled photothermal therapy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 384, 112053.	3.9	17
10	Study of inverted planar $CH_3NH_3PbI_3$ perovskite solar cells fabricated under environmental conditions. <i>Solar Energy</i> , 2019, 180, 594-600.	6.1	11
11	Role of carbon nanodots in defect passivation and photo-sensitization of mesoscopic-TiO ₂ for perovskite solar cells. <i>Carbon</i> , 2019, 146, 388-398.	10.3	33
12	Controlling trapping states on selective theranostic core@shell ($NaYF_4 \cdot Yb, Tm @ TiO_2 \cdot ZrO_2$) nanocomplexes for enhanced NIR-activated photodynamic therapy against breast cancer cells. <i>Dalton Transactions</i> , 2019, 48, 9962-9973.	3.3	23
13	Co-sensitized TiO ₂ electrodes with different quantum dots for enhanced hydrogen evolution in photoelectrochemical cells. <i>Journal of Applied Electrochemistry</i> , 2019, 49, 475-484.	2.9	4
14	Novel anti-HER2 peptide-conjugated theranostic nanoliposomes combining $NaYF_4 \cdot Yb, Er$ nanoparticles for NIR-activated bioimaging and chemo-photodynamic therapy against breast cancer. <i>Nanoscale</i> , 2019, 11, 20598-20613.	5.6	37
15	Ultrasensitive SERS Substrate for Label-Free Therapeutic-Drug Monitoring of Paclitaxel and Cyclophosphamide in Blood Serum. <i>Analytical Chemistry</i> , 2019, 91, 2100-2111.	6.5	67
16	Light-induced effects on crystal size and photo-stability of colloidal $CsPbBr_3$ perovskite nanocrystals. <i>Materials Research Express</i> , 2019, 6, 045041.	1.6	19
17	Improved performance of inverted planar $MAPbI_3$ based perovskite solar cells using bromide post-synthesis treatment. <i>Solar Energy</i> , 2019, 177, 538-544.	6.1	10
18	Eu^{3+} -doped glass as a color rendering index enhancer in phosphorâ€“inâ€“glass. <i>Journal of the American Ceramic Society</i> , 2018, 101, 2914-2920.	3.8	11

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19	Improving the Optoelectronic Properties of Mesoporous TiO ₂ by Cobalt Doping for High-Performance Hysteresis-free Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 3571-3580.	8.0	78
20	An immunconjugated up-conversion nanocomplex for selective imaging and photodynamic therapy against HER2-positive breast cancer. Nanoscale, 2018, 10, 10154-10165.	5.6	35
21	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
22	Interfacial Engineering of TiO ₂ by Graphene Nanoplatelets for High-Efficiency Hysteresis-free Perovskite Solar Cells. ACS Sustainable Chemistry and Engineering, 2018, 6, 15391-15401.	6.7	18
23	Hydrothermal synthesis of graphene oxide/multiform hydroxyapatite nanocomposite: its influence on cell cytotoxicity. Materials Research Express, 2018, 5, 125023.	1.6	7
24	Improved performance of CdS quantum dot sensitized solar cell by solvent modified SILAR approach. Solar Energy, 2018, 174, 240-247.	6.1	28
25	Synthesis and characterization of Fe ₃ O ₄ :Yb ³⁺ :Er ³⁺ nanoparticles with magnetic and optical properties for hyperthermia applications. Journal of Magnetism and Magnetic Materials, 2018, 465, 406-411.	2.3	11
26	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
27	The synthesis of transparent TiO ₂ photoelectrodes assisted by rheological agent (triton x-100, PVP) Tj ETQq1 1 0.784314 rgBT /Overl 0.8	0.8	1
28	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
29	Enhanced Photovoltaic Performance of Mesoscopic Perovskite Solar Cells by Controlling the Interaction between CH ₃ NH ₃ PbI ₃ Films and CsPbX ₃ Perovskite Nanoparticles. Journal of Physical Chemistry C, 2017, 121, 4239-4245.	3.1	42
30	Luminance enhancement in quantum dot light-emitting diodes fabricated with Fieldâ€™s metal as the cathode. Journal Physics D: Applied Physics, 2017, 50, 095106.	2.8	1
31	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
32	Studying the role of CdS on the TiO ₂ surface passivation to improve CdSeTe quantum dots sensitized solar cell. Journal of Alloys and Compounds, 2017, 728, 1058-1064.	5.5	22
33	Tuning Color Temperature of White OLEDs in Parallel Tandems. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700283.	1.8	6
34	Improved performance of mesoscopic perovskite solar cell using an accelerated crystalline formation method. Journal of Power Sources, 2017, 365, 169-178.	7.8	17
35	Operating Mechanisms of Mesoscopic Perovskite Solar Cells through Impedance Spectroscopy and Modeling. Journal of Physical Chemistry Letters, 2017, 8, 6073-6079.	4.6	69
36	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

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37	SERS and integrative imaging upon internalization of quantum dots into human oral epithelial cells. <i>Journal of Biophotonics</i> , 2016, 9, 683-693.	2.3	12
38	Interaction of TGA@CdTe Quantum Dots with an Extracellular Matrix of <i>Haematococcus pluvialis</i> Microalgae Detected Using Surface-Enhanced Raman Spectroscopy (SERS). <i>Applied Spectroscopy</i> , 2016, 70, 1561-1572.	2.2	6
39	Nonconventional illumination with LEDs. , 2016, , .		0
40	Nanomolar detection of glucose using SERS substrates fabricated with albumin coated gold nanoparticles. <i>Nanoscale</i> , 2016, 8, 11862-11869.	5.6	25
41	Photovoltaic study of quantum dot-sensitized TiO ₂ /CdS/ZnS solar cell with P3HT or P3OT added. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 975-985.	2.9	15
42	Strong enhancement of the upconversion emission in ZrO ₂ : Yb ³⁺ , Er ³⁺ , Gd ³⁺ nanocubes synthesized with Na ₂ S. <i>Journal of Luminescence</i> , 2016, 172, 154-160.	3.1	7
43	Effect of P ₂ O ₅ addition on structural and luminescence properties of Nd ³⁺ -doped tellurite glasses. <i>Journal of Alloys and Compounds</i> , 2016, 684, 322-327.	5.5	59
44	SERS-active Au/SiO ₂ clouds in powder for rapid ex vivo breast adenocarcinoma diagnosis. <i>Biomedical Optics Express</i> , 2016, 7, 2407.	2.9	7
45	Effect of the electrophoretic deposition of Au NPs in the performance CdS QDs sensitized solar Cells. <i>Electrochimica Acta</i> , 2016, 188, 710-717.	5.2	32
46	Persistent luminescence of Eu ²⁺ doped glass ceramic for AC LED. , 2016, , .		0
47	Efficient blue-green emission of Ce ³⁺ doped glass ceramic. , 2016, , .		0
48	Tunable color parallel tandem organic light emitting devices with carbon nanotube and metallic sheet interlayers. <i>Journal of Applied Physics</i> , 2015, 118, 194502.	2.5	4
49	Influence of pH and europium concentration on the luminescent and morphological properties of Y ₂ O ₃ powders. <i>Optical Materials</i> , 2015, 48, 97-104.	3.6	8
50	Effect of Different Sensitization Technique on the Photoconversion Efficiency of CdS Quantum Dot and CdSe Quantum Rod Sensitized TiO ₂ Solar Cells. <i>Journal of Physical Chemistry C</i> , 2015, 119, 13394-13403.	3.1	68
51	Spectroscopic properties of tellurite glasses co-doped with Er ³⁺ and Yb ³⁺ . <i>Journal of Luminescence</i> , 2015, 162, 72-80.	3.1	42
52	Wet chemical synthesis of quantum dots for medical applications. , 2015, , .		0
53	Photovoltaic properties of multilayered quantum dot/quantum rod-sensitized TiO ₂ solar cells fabricated by SILAR and electrophoresis. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18590-18599.	2.8	37
54	Spectroscopic properties of Eu ³⁺ /Nd ³⁺ co-doped phosphate glasses and opaque glass-ceramics. <i>Optical Materials</i> , 2015, 46, 34-39.	3.6	26

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55	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
56	SERS substrates fabricated with star-like gold nanoparticles for zeptomole detection of analytes. Nanoscale, 2015, 7, 10249-10258.	5.6	57
57	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
58	Effect of TEA on the blue emission of ZnO quantum dots with high quantum yield. Optical Materials Express, 2015, 5, 1109.	3.0	24
59	Photovoltaic Properties of Bi ₂ S ₃ and CdS Quantum Dot Sensitized TiO ₂ Solar Cells. Electrochimica Acta, 2015, 180, 486-492.	5.2	57
60	Switching green to red emission in tridoped ZrO ₂ :Yb ³⁺ -Er ³⁺ -Bi ³⁺ nanocrystals. Optical Materials, 2015, 48, 92-96.	3.6	10
61	Er ³⁺ loaded barium molybdate nanoparticles: IR to visible spectral upconversion. Materials Letters, 2015, 142, 7-10.	2.6	8
62	Synthesis and optical properties of BaTiO ₃ :Eu ³⁺ @SiO ₂ glass ceramic nano particles. Journal of Sol-Gel Science and Technology, 2014, 72, 435-442.	2.4	8
63	Rhodamine B Detection by SERS with Urchin-like Gold Nanostructures in Water Solution. , 2014, , .		1
64	Glucose detection using SERS with multi-branched gold nanostructures in aqueous medium. RSC Advances, 2014, 4, 59233-59241.	3.6	27
65	Characterization of a Yellow Emitting QD-LED. , 2014, , .		0
66	Quantum Dots Solar Cells of CdS Deposited by Chemical Bath Method. , 2014, , .		1
67	Selection criteria for SERS substrates. , 2014, , .		1
68	White light emission from a blue polymer light emitting diode combined with YAG:Ce ³⁺ nanoparticles. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 651-655.	1.8	5
69	White light generation from YAG/YAM:Ce ³⁺ , Pr ³⁺ , Cr ³⁺ nanophosphors mixed with a blue dye under 340nm excitation. Journal of Luminescence, 2014, 154, 185-192.	3.1	17
70	Understanding the infrared to visible upconversion luminescence properties of Er ³⁺ /Yb ³⁺ co-doped BaMoO ₄ nanocrystals. Journal of Solid State Chemistry, 2014, 216, 36-41.	2.9	34
71	Lu ₂ O ₃ :Eu ³⁺ glass ceramic films: Synthesis, structural and spectroscopic studies. Materials Research Bulletin, 2014, 51, 418-425.	5.2	12
72	Microwave hydrothermal synthesis and infrared to visible upconversion luminescence of Er ³⁺ /Yb ³⁺ co-doped bismuth molybdate nanopowder. Journal of Luminescence, 2014, 145, 866-871.	3.1	38

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73	Panchromatic Solar-to-H ₂ Conversion by a Hybrid Quantum Dots-Dye Dual Absorber Tandem Device. <i>Journal of Physical Chemistry C</i> , 2014, 118, 891-895.	3.1	27
74	Improving pure red upconversion emission of Co-doped Y ₂ O ₃ :Yb ³⁺ /Er ³⁺ nanocrystals with a combination of sodium sulfide and surfactant Pluronic-F127. <i>Journal of Luminescence</i> , 2014, 145, 292-298.	3.1	13
75	Photoluminescence characterization of porous YAG: Yb ³⁺ /Er ³⁺ nanoparticles. <i>Journal of Luminescence</i> , 2014, 153, 21-28.	3.1	15
76	Synthesis of Lu ₂ O ₃ :Eu ³⁺ Luminescent Ceramic Powder Embedded in SiO ₂ Matrix. <i>Materials Transactions</i> , 2014, 55, 1867-1871.	1.2	4
77	Semi-transparent polymer light emitting diodes with multiwall carbon nanotubes as cathodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 2828-2832.	1.8	4
78	Upconversion emission of nanophosphors for cervical cancer detection. , 2014, , .		0
79	Yellow upconversion emission in Er/Yb codoped glass ceramic. , 2014, , .		0
80	Eu ³⁺ , Bi ³⁺ codoped Lu ₂ O ₃ nanopowders: Synthesis and luminescent properties. <i>Journal of Materials Research</i> , 2013, 28, 1365-1371.	2.6	10
81	NaOH-controlled upconversion of nanocrystalline BaZrO ₃ :Er,Yb phosphor. <i>International Journal of Nanotechnology</i> , 2013, 10, 1055.	0.2	2
82	Polarimetric characterization of bismuth thin films deposited by laser ablation. <i>Applied Optics</i> , 2012, 51, 8549.	1.8	5
83	Multicolor Upconversion Emission and Color Tunability in Tm ³⁺ /Er ³⁺ /Yb ³⁺ Tri-Doped NaNbO ₃ Nanocrystals. <i>Materials Express</i> , 2012, 2, 294-302.	0.5	21
84	Strong blue and white photoluminescence emission of BaZrO ₃ undoped and lanthanide doped phosphor for light emitting diodes application. <i>Journal of Solid State Chemistry</i> , 2012, 196, 243-248.	2.9	29
85	Upconversion emission in a carbon-implanted Yb:YAG planar waveguide. <i>Optics Communications</i> , 2012, 285, 5531-5534.	2.1	7
86	Synthesis, characterization and surface enhanced Raman scattering of hollow gold-silica double shell nanostructures. <i>Biomedical Spectroscopy and Imaging</i> , 2012, 1, 275-291.	1.2	5
87	Comparative study of the spectroscopic properties of Yb ³⁺ /Er ³⁺ codoped tellurite glasses modified with R ₂ O (R=Li, Na and K). <i>Journal of Luminescence</i> , 2012, 132, 391-397.	3.1	26
88	Wall Rock-Like Y ₂ O ₃ Nanorods by Hydrothermal Synthesis and their Luminescence Properties. <i>Science of Advanced Materials</i> , 2012, 4, 551-557.	0.7	8
89	A Special Issue on Optical Nanomaterials: Challenges and Opportunities. <i>Science of Advanced Materials</i> , 2012, 4, 549-550.	0.7	0
90	Third-order nonlinear optical response and photoluminescence characterization of tellurite glasses with different alkali metal oxides as network modifiers. <i>Journal of Applied Physics</i> , 2011, 110, 083110.	2.5	9

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91	Photovoltaic Conversion Enhancement of CdSe Quantum Dot-Sensitized TiO ₂ Decorated with Au Nanoparticles and P3OT. Journal of Physical Chemistry C, 2011, 115, 23209-23220.	3.1	53
92	Effect of solvent on the up- and downconversion emissions of Y ₂ O ₃ :Yb ³⁺ Er ³⁺ nanofibers synthesized by a hydrothermal method. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 649.	2.1	7
93	Gold aggregates on silica templates and decorated silica arrays for SERS applications. European Physical Journal D, 2011, 63, 301-306.	1.3	10
94	Y ₂ O ₃ :Eu ³⁺ ,Tb ³⁺ thin films prepared by sol-gel method: structural and optical studies. Journal of Sol-Gel Science and Technology, 2011, 58, 366-373.	2.4	12
95	Solvent and surfactant effect on the self-assembly and luminescence properties of ZrO ₂ :Eu ³⁺ nanoparticles. Applied Physics B: Lasers and Optics, 2011, 102, 641-649.	2.2	17
96	Visible upconversion emission and non-radiative direct Yb ³⁺ to Er ³⁺ energy transfer processes in nanocrystalline ZrO ₂ :Yb ³⁺ ,Er ³⁺ . Optics and Lasers in Engineering, 2011, 49, 703-708.	3.8	20
97	Gd ³⁺ and S ²⁺ sensitizer effect on the upconversion emission of ZrO ₂ :Yb ³⁺ , Er ³⁺ nanocrystals prepared by precipitation method with a hydrothermal process. , 2011, , .		1
98	Red, green, blue and white light upconversion emission in Yb ³⁺ /Tm ³⁺ /Ho ³⁺ co-doped tellurite glasses. Journal Physics D: Applied Physics, 2011, 44, 455308.	2.8	25
99	Cooperative emission in ion implanted Yb:YAG waveguides. Journal of Physics: Conference Series, 2011, 274, 012122.	0.4	1
100	Synthesis and characterization of upconversion emission on lanthanides doped ZrO ₂ nanocrystals coated with SiO ₂ for biological applications. Proceedings of SPIE, 2010, , .	0.8	1
101	Magnetite and magnetite/silver core/shell nanoparticles with diluted magnet-like behavior. Journal of Solid State Chemistry, 2010, 183, 99-104.	2.9	24
102	Color tunability of the upconversion emission in Er ³⁺ Yb ³⁺ doped the wide band gap nanophosphors ZrO ₂ and Y ₂ O ₃ . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 174, 177-181.	3.5	47
103	Green and red upconverted emission of hydrothermal synthesized Y ₂ O ₃ : Er ³⁺ Yb ³⁺ nanophosphors using different solvent ratio conditions. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 174, 164-168.	3.5	29
104	Structural and luminescence characterization of silica coated Y ₂ O ₃ :Eu ³⁺ nanopowders. Optical Materials, 2010, 32, 1471-1479.	3.6	21
105	High angle annular dark field-scanning transmission electron microscopy and high-resolution transmission electron microscopy studies in the Er ₂ O ₃ ZrO ₂ system. Vacuum, 2010, 84, 1226-1231.	3.5	5
106	Room-temperature deposition of crystalline patterned ZnO films by confined dewetting lithography. Applied Surface Science, 2010, 256, 3386-3389.	6.1	12
107	Effect of ammonia on luminescent properties of YAG:Ce ³⁺ ,Pr ³⁺ nanophosphors. , 2010, , .		1
108	Syntonized white up-converted emission by Tm ³⁺ -Yb ³⁺ -Er ³⁺ -Ho ³⁺ doped ZrO ₂ nanocrystals. Proceedings of SPIE, 2010, , .	0.8	0

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109	Role of Yb ³⁺ and Er ³⁺ concentration on the tunability of green-yellow-red upconversion emission of codoped ZrO ₂ :Yb ³⁺ +Er ³⁺ nanocrystals. Journal of Applied Physics, 2010, 108, .	2.5	73
110	Brilliant blue, green and orange-red emission band on Tm ³⁺ , Tb ³⁺ and Eu ³⁺ -doped ZrO ₂ nanocrystals. Journal Physics D: Applied Physics, 2010, 43, 465105.	2.8	38
111	Photovoltaic conversion enhancement of TiO ₂ nanoparticles decorated with Au nanocrystals and sensitized with CdSe quantum dots and P3OT polymer. Proceedings of SPIE, 2010, , .	0.8	0
112	Role of the Hydrothermal Synthesis Conditions on the Structure and Morphology of Co-Doped Y ₂ O ₃ :Er ³⁺ -Yb ³⁺ Nanostructured Materials. Journal of Nano Research, 2010, 9, 109-116.	0.8	3
113	Nanoscience and Nanotechnology in Latin America. International Journal of Nanotechnology and Molecular Computation, 2010, 2, 38-76.	0.3	0
114	Influence of surface coating on the upconversion emission properties of LaPO ₄ :Yb/Tm core-shell nanorods. Journal of Applied Physics, 2009, 105, 113532.	2.5	39
115	Green upconverted emission enhancement of ZrO ₂ :Yb ³⁺ +Ho ³⁺ nanocrystals. Journal Physics D: Applied Physics, 2009, 42, 235105.	3.8	8
116	Eu-Doped BaTiO ₃ Powder and Film from Sol-Gel Process with Polyvinylpyrrolidone Additive. International Journal of Molecular Sciences, 2009, 10, 4088-4101.	4.1	45
117	Synthesis of assembled ZnO structures by precipitation method in aqueous media. Materials Chemistry and Physics, 2009, 115, 172-178.	4.0	134
118	Surfactant effect on the upconversion emission and decay time of ZrO ₂ :Yb-Er nanocrystals. Journal of Luminescence, 2009, 129, 449-455.	3.1	43
119	Effect of alkali metal oxides R ₂ O (R=Li, Na, K, Rb and Cs) and network intermediate MO (M=Zn, Mg, Ba) on the upconversion emission of ZrO ₂ :Yb ³⁺ +Er ³⁺ nanocrystals. Journal of Applied Physics, 2009, 105, 113532.	3.6	78
120	Structural and Chemical Characterization of Yb ₂ O ₃ -ZrO ₂ System by HAADF-STEM and HRTEM. Microscopy and Microanalysis, 2009, 15, 46-53.	0.4	11
121	Efficient photoluminescence of Dy ³⁺ at low concentrations in nanocrystalline ZrO ₂ . Journal of Solid State Chemistry, 2008, 181, 75-80.	2.9	85
122	Synthesis and photoluminescence of Y ₂ O ₃ :Yb ³⁺ +Er ³⁺ nanofibers. Microelectronics Journal, 2008, 39, 551-555.	2.0	11
123	Enhancement of Upconversion Emission of LaPO ₄ :Er@Yb Core-Shell Nanoparticles/Nanorods. Journal of Physical Chemistry C, 2008, 112, 9650-9658.	3.1	153
124	Annealing effect on the luminescence properties of BaZrO ₃ :Yb ³⁺ microcrystals. Journal of Applied Physics, 2008, 104, .	2.5	16
125	Nitrogen-Doped and CdSe Quantum-Dot-Sensitized Nanocrystalline TiO ₂ Films for Solar Energy Conversion Applications. Journal of Physical Chemistry C, 2008, 112, 1282-1292.	3.1	192
126	Polarization microscopy with stellated gold nanoparticles for robust, in-situ monitoring of biomolecules. Optics Express, 2008, 16, 2153.	3.4	76

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127	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
128	Er ³⁺ and Yb ³⁺ concentration effect in the spectroscopic properties and energy transfer in Yb ³⁺ /Er ³⁺ codoped tellurite glasses. Journal Physics D: Applied Physics, 2008, 41, 095102.	2.8	55
129	Comparison Between Isothermal Cold and Melt Crystallization of Polylactide/Clay Nanocomposites. Journal of Nanoscience and Nanotechnology, 2008, 8, 1658-1668.	0.9	24
130	Facile synthesis and optical applications of ceramic nanophosphors. , 2008, , .		0
131	Synthesis and Characterization of Amorphous SiO ₂ Nanowires Derived from a Polymeric Precursor. Journal of Nanoscience and Nanotechnology, 2008, 8, 997-1002.	0.9	10
132	Blue-green upconversion emission in ZrO ₂ :Yb ³⁺ nanocrystals. Journal of Applied Physics, 2008, 104, .	2.5	27
133	Biomolecule Assisted Hydrothermal Synthesis of Chainlike Network of Silver Sulfide Nanostructures. Journal of Nanoscience and Nanotechnology, 2008, 8, 986-992.	0.9	10
134	Second-harmonic imaging of ZnO nanoparticles. , 2007, , .		1
135	Structural and photoluminescence characterization of nanocrystalline YAG: Er ³⁺ prepared with the addition of PVA and UREA. , 2007, , .		1
136	Dopant concentration effect on the TL response of ZrO ₂ :Lu ³⁺ nanocrystals under γ -ray irradiation. Proceedings of SPIE, 2007, 6639, 79.	0.8	0
137	Fiber-Optic Chemical Sensor for Detection of NO ₂ Using Poly (3-Octylthiophene). Fiber and Integrated Optics, 2007, 26, 335-342.	2.5	6
138	Enhancing the Up-Conversion Emission of ZrO ₂ :Er ³⁺ Nanocrystals Prepared by a Micelle Process. Journal of Physical Chemistry C, 2007, 111, 17110-17117.	3.1	22
139	Controlling the Growth and Luminescence Properties of Well-Faceted ZnO Nanorods. Journal of Physical Chemistry C, 2007, 111, 8489-8495.	3.1	186
140	Thermoluminescence properties of undoped and Tb ³⁺ and Ce ³⁺ doped YAG nanophosphor under UV-, X- and γ -ray irradiation. Nuclear Instruments & Methods in Physics Research B, 2007, 255, 357-364.	1.4	22
141	Radiative and non radiative spectroscopic properties of Er ³⁺ ion in tellurite glass. Optics Communications, 2006, 260, 601-606.	2.1	81
142	Concentration effect of Er ³⁺ ion on the spectroscopic properties of Er ³⁺ and Yb ³⁺ /Er ³⁺ co-doped phosphate glasses. Optical Materials, 2006, 28, 560-568.	3.6	119
143	Absorption and refractive index changes of poly (3-octylthiophene) under NO ₂ gas exposure. Optical Materials, 2006, 29, 167-172.	3.6	17
144	Effect of the CTAB concentration on the upconversion emission of ZrO ₂ :Er ³⁺ nanocrystals. Optical Materials, 2006, 29, 31-37.	3.6	24

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145	NO ₂ chemical oxidation doping effect on spin-coated poly(3-octylthiophene) thin films for NO ₂ sensing applications. , 2005, , .		0
146	Strong Visible Cooperative Up-Conversion Emission in ZrO ₂ :Yb ³⁺ Nanocrystals. Journal of Nanoscience and Nanotechnology, 2005, 5, 1480-1486.	0.9	15
147	Thermoluminescence characterization of nanocrystalline and single Y ₃ Al ₅ O ₁₂ crystal exposed to $\hat{\nu}^2$ -irradiation for dosimetric applications. Optical Materials, 2005, 27, 1240-1244.	3.6	22
148	Low temperature synthesis and structural characterization of nanocrystalline YAG prepared by a modified sol-gel method. Optical Materials, 2005, 27, 1793-1799.	3.6	58
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