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A Theory of Sensitized Luminescence in Solids

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78	Discovery of a novel yellow-orange-emitting low oxygen nitride phosphor Lu6.254Si11N20.762O0.238:Ce3+ for white LED. 2023 , 136, 113390	О
77	Multiple ways for temperature detection based on La2MgTiO6 double perovskite co-doped with Mn4+ and Cr3+ ions. 2023 , 938, 168653	O
76	Single-component and white-emitting garnet-type phosphors Li3Y3Te2O12: Dy3+, Eu3+ with tunable color and high thermostability: Synthesis, luminescence and energy transfer. 2023 , 274, 170496	O
75	Thermally stable downconversion luminescence and upconversion temperature sensing properties of erbium-doped Na2Y2TeB2O10 phosphor. 2023 , 257, 119664	O
74	Green synthesis strategy to construct strong zero-phonon line red emission phosphor Na2SiF6:Mn4+: Photoluminescence properties, thermal stability and application in warm white LEDs. 2023 , 257, 119684	О
73	Preparation, characterization, and application of a red phosphor Ca2InTaO6:Eu3+ in w-LEDs and latent fingerprint detection. 2023 , 939, 168715	O
72	Avoiding concentration quenching and self-absorption in Cs4EuX6 ($X = Br$, I) by Sm2+ doping. 2023 , 11, 2336-2344	0
71	The effect of Er3+ concentration on the kinetics of multiband upconversion in NaYF4:Yb/Er microcrystals. 11,	Ο
70	Efficient pure blue hyperfluorescence devices utilizing quadrupolar donor-acceptor-donor type of thermally activated delayed fluorescence sensitizers. 2023 , 14,	0
69	Structural and optical variation of pseudoisocyanine aggregates nucleated on DNA substrates. 2023 , 11, 014003	O
68	Structural Insights and Photophysical Screening of Sm (III) Complexes with Heterocyclic Ligand for Optical Applications.	O
67	Color-tunable Bi3+IIb3+Eu3+ co-activated barium Ittrium-orthogermanate phosphors for applying white-light UV-LED. 2023 , 34,	O
66	Spectroscopic characterizations and investigation of Judd-Ofelt intensity parameters of Dy3+-doped Ba2La8(SiO4)6O2 near white light emitting phosphor. 2023 ,	0
65	Thermooptic techniques. 2023 , 185-216	O
64	Phosphors for solar spectrum modification. 2023 , 213-236	0
63	Strong energy transfer and color tunable emission in Eu2+ and Mn2+ co-doped Na2BaSr(PO4)2 phosphor. 2023 ,	O
62	Exciton diffusion and dissociation in organic and quantum-dot solar cells.	0
61	Novel orange-red phosphor Sr3Al2Si3O12:Eu3+ excited by ultraviolet or blue light with excellent thermal stability and color purity. 2023 , 150, 110470	O

60	Synthesis, structure, and luminescence properties of Europium/Cerium/Terbium doped strontium-anorthite-type green phosphor for solid state lighting. 2023 , 292, 122402	O
59	Tunable photoluminescence properties and non-contact thermometry of Bi3+, Sm3+ co-doped YVO4 phosphors. 2023 , 257, 119722	O
58	A Novel Mechanism for Energy Transfer between Rare Earth Ions. 1984,	0
57	Doublet-emissive materials for organic light-emitting diodes: exciton formation and emission processes.	O
56	Precise Hue Control in a Single-Component White-Light Emitting Perovskite Cs 2 SnCl 6 through Defect Engineering Based on La 3+ Doping. 2300862	O
55	Effects of Ce3+/Sm3+ co-doping as a luminescent modifier in borotellurite glasses for solid-state lighting. 2023 , 34,	O
54	Ultrafast Energy Transfer from Photoexcited Tryptophan to the Haem in Cytochrome c. 2023 , 14, 2425-2432	O
53	Investigation of structural, morphological and photoluminescence properties in ZnO: Co2+ nanostructures prepared by solution combustion technique using Mimosa pudica leaf extract as a fuel. 2023 , 14, 100383	O
52	An attempt to enhance the afterglow luminescence of NIR light emitting long persistent phosphor Zn3Ga2Ge2O10:Cr3+ by Pr3+ co-doping. 2023 , 293, 122512	O
51	High-sensitivity Eu3+/Mn4+ co-doped Li4AlSbO6 perovskite type thermometry with efficient dual emission. 2023 , 257, 119769	O
50	Visible DC approach by controlling the UV light in (Eu3+/Tb3+) co-activated TBZN glasses for w-LEDs and a-Si solar cells. 2023 , 49, 16341-16351	0
49	Excellent thermostability and emission properties of Sr2CaTeO6:Sm3+ red emitting phosphor for high color-rendering white LEDs. 2023 , 139, 107168	O
48	Optical characterization of rare-earth activated La2-xLnx (MoO4)3 (Ln=Dy, Sm) phosphors. 2023 , 1281, 135111	0
47	Microwave-assisted synthesis and luminescence properties of NaYb1-xErxGeO4, NaY1-yYb3y/4Ery/4GeO4 olivines. 2023 , 322, 123946	O
46	Recent advances and applications of ionic liquids-based photonic materials. 2023, 32, 101808	O
45	An efficient double-perovskite CaLaLiTeO6:Mn4+ far-red phosphor towards indoor plant lighting application. 2023 , 946, 169436	O
44	Dy3+ and Eu3+ co-activated gadolinium aluminate borate phosphor: Synthesis, enhanced luminescence, energy transfer and tunable color. 2023 , 164, 112282	0
43	Broadband near-infrared emitting Cr3+-activated InGaO3(ZnO)4 phosphor and its application in pc-LEDs. 2023 , 164, 112280	O

42	Intramolecular Interactions in the Fluorophore Quencher System in Linear and Hairpin Probes for Real-Time PCR. 2023 , 57, 134-141	O
41	The fluorescence quenching mechanism of tetrazine-functionalized fluorogenic labels with integrated £conjugations: internal conversion to a dark state. 2023 , 7, 1082-1092	O
40	Energy transfer and color-tunable emission in trivalent terbium/europium doped multi-component borosilicate glasses for white light-emitting diodes under ultraviolet excitation. 2023 , 605, 122187	O
39	Enhancement of Luminescence of PET Films after Swift Heavy Ion Irradiation. 2023, 15, 910	O
38	Modeling Excited States of Molecular Organic Aggregates for Optoelectronics. 2023, 74,	O
37	Extended Foerster-Dexter model for correlated donor-acceptor placement in solid-state materials. 1986 ,	O
36	Realization of Highly Efficient InP Quantum Dot Light-Emitting Diodes through In-Depth Investigation of Exciton-Harvesting Layers. 2023 , 11,	O
35	Organophotocatalytic Mechanisms: Simplicity or NaWety? Diverting Reactive Pathways by Modifications of Catalyst Structure, Redox States and Substrate Preassemblies.	1
34	Tunable red/ blue emitting of Ca5(PO4)3F: Eu2+, Eu3+ and remote-excited color convertor for NUV-WLED. 2023 , 137, 113609	0
33	Insights into visible luminescence and energy transfer mechanism of Eu3+/Dy3+ co-doped dolo-telluro-borate glasses. 2023 , 137, 113617	O
32	Ln(III) Complexes Embedded in Biocompatible PLGA Nanoparticles as Potential Vis-to-NIR Optical Probes. 2023 , 28, 2251	0
31	Resonance Energy Transfer. 2023 , 377-408	O
30	Triplet generation at the CdTe quantum dot/anthracene interface mediated by hot and thermalized electron exchange for enhanced production of singlet oxygen. 2023 , 25, 8913-8920	O
29	Close-to-Atom Scale Laser Manufacturing for 30-Color Turn-key Single-Photon Emitters.	O
28	Ultrahighly Efficient Narrowband Red Luminescence of Uniquely Distorted Mn 4+ Octahedron in the Feldspar-Type LED Phosphor. 2200940	O
27	Facile synthesis, novel structure, and tunable luminescence properties of K6Bi13(PO4)15:Dy3+,Eu3+ phosphors for ultraviolet converted white light-emitting diodes. 2023 , 49, 19373-19383	O
26	Improved 2 µm broadband luminescence in Tm3+/Ho3+ doping tellurite glass. 2023 , 31, 12819	О
25	Near ultraviolet excitable cyan-green phosphors of Ba6La2Al3ScO15:Ce3+ and Ba6La2Al3ScO15:Ce3+,Tb3+: investigations on the crystal structure, site assignment of Ce3+ and Tb3+ ions, and an energy transfer process from Ce3+ to Tb3+.	O

24	Structural and temperature dependence luminescence characteristics of RE (RE=Eu3+, Dy3+, Sm3+ and Tb3+) in the new gadolinium aluminate borate phosphor. 2023 ,	О
23	Efficient red-emitting SrZrO3:Eu3+ phosphor superstructures for display device applications. 2023 , 1283, 135192	O
22	Photoluminescent studies of trivalent terbium activated magnesium metaphosphate phosphors. 1-9	O
21	Roles of Molecular Spatial Arrangement in Exciton Energy Transfer in Organic Light-Emitting Diodes: A Theoretical Study. 2023 , 127, 5950-5957	O
20	Realization of multiple luminescence manipulation in tungsten bronze oxides based on photochromism toward real-time, reversible, and fast processes.	О
19	Photochromic ceramics Ca2SnO4: Ho3+ with excellent reversible photoluminescence intensity modulation properties. 2023 , 949, 169812	O
18	Triboluminescence of Lanthanide Complexes. 2023 , 105-130	0
17	Triplet E riplet annihilation mediated photon upconversion solar energy systems.	О
16	Luminescence properties of $Ln3+$ doped $BaMoO4$ ($Ln3+=Sm3+$ and $Dy3+$) phosphors under UV excitation. 2023 , 297, 122695	О
15	Single phased vivid red-emitting CaLa2ZnO5:Eu3+ nanophosphor: WLEDs, visualization of latent fingerprints and anti-counterfeiting applications. 2023 , 165, 112279	O
14	Organic ligands/dyes as photon-downshifting materials for clean energy. 2023, 265-280	О
13	To achieve tunable-color emission in a novel tri-doped phosphate sulfate phosphor: Tb3+ as the energy transfer bridge.	O
12	White Light Emission Achieved by Dual-TADF in a Single Emissive Layer of Multicomponent Emitters. 2023 , 127, 7536-7545	О
11	Organization of Cooperating Aluminum Pairs in Ferrierite Evidenced by Luminescence Quenching. 2023 , 127, 7344-7351	O
10	Facile Synthesis of OrganicIhorganic Hybrid Layered Rare-Earth Hydroxide Nanocone for Multifunctional Drug Delivery System with Fluorescence Probe and Simultaneous Magnetic Resonance Imaging.	О
9	Photocontrolled RAFT polymerization: past, present, and future.	O
8	Lumino-structural properties of Dy3+ activated Na3Ba2LaNb10O30 phosphors with enhanced internal quantum yield for w-LEDs. 2023 , 13, 11557-11568	0
7	Novel Red-Emitting BaBi2B4O10:Eu3+ Phosphors: Synthesis, Crystal Structure and Luminescence. 2023 , 15, 918	O

6	Crystallographic and luminescence studies of Gd2Si2O7:Er3+ nanomaterials for NUV energized lighting applications. 2023 , 135595	O
5	Enhanced Luminescence of Long-Wavelength Broadband Near-Infrared Germanate Phosphors.	O
4	Theoretical FRET Efficiency of an Antenna Material Containing Natural Dyes and Zeolite L.	O
3	Suppression of Dexter Energy Transfer through Modulating Donor Segments of Thermally Activated Delayed Fluorescence Assistant Dopants.	O
2	Highly efficient and water-resistant K3ZrF7:Mn4+ red-emitting phosphors. 2023, 119884	0
1	Improvement of the red emission of Ag+/Mn2+ co-doped NaMg(PO3)3 crystallized phosphors for possible application in UV-LEDs. 2023 , 124062	0