Chenning Zhang

List of Publications by Year
in descending order

39 papers	1,130 citations	471371 17 h-index	395590 33 g-index
39 all docs	39 docs citations	39 times ranked	1086 citing authors

#	Article	IF	Citations
1	Solutionâ€Based Approach for the Continuous Fabrication of Thin Lithiumâ€Ion Battery Electrodes by Wet Mechanochemical Synthesis and Electrophoretic Deposition. Advanced Engineering Materials, 2021, 23, 2100524.	1.6	4
2	Antibacterial-functionalized Ag loaded-hydroxyapatite (HAp) coatings fabricated by electrophoretic deposition (EPD) process. Materials Letters, 2021, 297, 129955.	1.3	3
3	Effect of crystalline orientation on photocatalytic performance for Nb-doped TiO2 nanoparticles. Advanced Powder Technology, 2021, 32, 4149-4154.	2.0	5
4	Nest-like microstructured biocompatible membrane fabricated by hydrothermally-synthesized hydroxyapatite (HAp) whiskers. Journal of the European Ceramic Society, 2020, 40, 513-520.	2.8	9
5	Effect of Surface Modification with TiO2 Coating on Improving Filtration Efficiency of Whisker-Hydroxyapatite (HAp) Membrane. Coatings, 2020, 10, 670.	1.2	6
6	Enhanced visible-light photocatalytic activity of anatase-rutile mixed-phase nano-size powder given by high-temperature heat treatment. Royal Society Open Science, 2020, 7, 191539.	1.1	25
7	Enhanced quantum efficiency and thermal stability in tunable yellow-emitting Sr Ca1-AlSiN3:Ce3+ phosphor. Journal of Alloys and Compounds, 2020, 831, 154791.	2.8	12
8	Synthesis of Euâ€doped hydroxyapatite whiskers and fabrication of phosphor layer via electrophoretic deposition process. Journal of the American Ceramic Society, 2020, 103, 6780-6792.	1.9	6
9	Significantly improved photoluminescence of the greenâ€emitting Î²â€sialon:Eu²⁺ phosphor via surface coating of TiO₂. Journal of the American Ceramic Society, 2019, 102, 294-302.	1.9	5
10	Controllable Design of Various Microstructures for Hydroxyapatite Coatings by Electrophoresis Deposition Process for Biomedical Applications. Journal of the Electrochemical Society, 2019, 166, D700-D706.	1.3	5
11	Structure, luminescence and energy transfer in Ce³⁺ and Mn²⁺ codoped Î³-AlON phosphors. Journal of Materials Chemistry C, 2019, 7, 733-742.	2.7	66
12	Surface Modification on Cellulose Nanofibers by TiO2 Coating for Achieving High Capture Efficiency of Nanoparticles. Coatings, 2019, 9, 139.	1.2	9
13	A Thermally Robust La₃Si₆N₁₁:Ceâ€inâ€Glass Film for Highâ€Brightness Blueâ€Laserâ€Driven Solid State Lighting. Laser and Photonics Reviews, 2019, 13, 1800216.	4.4	86
14	Uniform and fine Mg-Î³-AlON powders prepared from MgAl2O4: A promising precursor material for highly-transparent Mg-Î³-AlON ceramics. Journal of the European Ceramic Society, 2019, 39, 928-933.	2.8	10
15	Photoluminescence efficiency significantly enhanced by surface modification of SiO2 coating on Î²-sialon:Eu2+ phosphor particle. Journal of Alloys and Compounds, 2018, 741, 454-458.	2.8	7
16	Structural evolutions and significantly reduced thermal degradation of red-emitting Sr₂Si₅N₈:Eu²⁺via carbon doping. Journal of Materials Chemistry C, 2017, 5, 8927-8935.	2.7	35
17	Synthesis and Photoluminescence Properties of a Blue-Emitting La₃Si₈N₁₁O₄:Eu²⁺ Phosphor. Inorganic Chemistry, 2017, 56, 14170-14177.	1.9	22
18	Prevention of thermal- and moisture-induced degradation of the photoluminescence properties of the Sr₂Si₅N₈:Eu²⁺ red phosphor by thermal post-treatment in N₂â€“H₂. Physical Chemistry Chemical Physics, 2016, 18, 12494-12504.	1.3	36

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19	Structure evolution and photoluminescence of Lu₃(Al,Mg)₂(Al,Si)₃O₁₂:Ce³⁺ phosphors: new yellow-color converters for blue LED-driven solid state lighting. Journal of Materials Chemistry C, 2016, 4, 6855-6863.	2.7	271
20	New garnet structure phosphors, Lu_{3â^'x}Y_xMgAl₃SiO₁₂:Ce³⁺ (x = 0â€“3), developed by solid solution design. Journal of Materials Chemistry C, 2016, 4, 2359-2366.	2.7	86
21	Strong Energy-Transfer-Induced Enhancement of Luminescence Efficiency of Eu²⁺- and Mn²⁺-Codoped Gamma-AlON for Near-UV-LED-Pumped Solid State Lighting. Inorganic Chemistry, 2015, 54, 5556-5565.	1.9	51
22	Reduced thermal degradation of the red-emitting Sr₂Si₅N₈:Eu²⁺ phosphor via thermal treatment in nitrogen. Journal of Materials Chemistry C, 2015, 3, 7642-7651.	2.7	60
23	Phosphor Deposits of Î²-Sialon:Eu2+ Mixed with SnO2 Nanoparticles Fabricated by the Electrophoretic Deposition (EPD) Process. Materials, 2014, 7, 3623-3633.	1.3	11
24	Crystalline-Oriented Beta-Sialon:Eu2+Deposits Fabricated by Electrophoretic Deposition (EPD) within Strong Magnetic Field. ECS Journal of Solid State Science and Technology, 2014, 3, R195-R199.	0.9	2
25	Beta-sialon phosphor deposits fabricated by electrophoretic deposition (EPD) process in a magnetic field. Ceramics International, 2014, 40, 8369-8375.	2.3	11
26	Positional-dependent luminescence property of Î²-SiAlON:Eu2+ phosphor particle. Applied Physics Letters, 2014, 104, .	1.5	8
27	Photocatalytic activities of europium (III) and niobium (V) co-doped TiO2 nanopowders synthesized in Ar/O2 radio-frequency thermal plasmas. Journal of Alloys and Compounds, 2014, 606, 37-43.	2.8	11
28	Luminescence properties of a blue-emitting phosphor: (Sr1â^'xEux)Si9Al19ON31 (0<xâ‰¤1). Journal of Solid State Chemistry, 2013, 207, 49-54.	1.4	14
29	Surface modification of Ca-Î±-SiAlON: Eu2+ phosphor particles by SiO2 coating and fabrication of its deposit by electrophoretic deposition (EPD) process. Applied Surface Science, 2013, 280, 229-234.	3.1	28
30	Role of Fluxes in Optimizing the Optical Properties of Sr0.95Si2O2N2:0.05Eu2+ Green-Emitting Phosphor. Materials, 2013, 6, 2862-2872.	1.3	24
31	Yellowâ€Emitting <scp><scp>Y</scp></scp>₃<scp><scp>Si</scp></scp>₆<scp><scp>N</scp></scp>₁₁:<scp><scp>Ce</scp></scp>³⁺ Phosphors for White Lightâ€“Emitting Diodes (<scp>LED</scp>s). Journal of the American Ceramic Society, 2013, 96, 1688-1690.	1.9	18
32	Microwave Assisted Sintering of Thermally Stable BaMgAl₁₀O₁₇:Eu²⁺Phosphors. ECS Journal of Solid State Science and Technology, 2013, 2, R196-R200.	0.9	10
33	Influence of niobium doping on phase composition and defect-mediated photoluminescence properties of Eu3+-doped TiO2 nanopowders synthesized in Ar/O2 thermal plasma. Journal of Alloys and Compounds, 2011, 509, 8944-8951.	2.8	5
34	Phase composition and magnetic properties of niobiumâ€“iron codoped TiO2 nanoparticles synthesized in Ar/O2 radio-frequency thermal plasma. Journal of Solid State Chemistry, 2011, 184, 2525-2532.	1.4	3
35	High-concentration niobium (V) doping into TiO₂ nanoparticles synthesized by thermal plasma processing. Journal of Materials Research, 2011, 26, 658-671.	1.2	17
36	Blueâ€Emitting Li₂Sr_{1â^'3x/2}Ce_xSiO₄ Phosphors for Ultraviolet White Lightâ€Emitting Diodes. Journal of the American Ceramic Society, 2010, 93, 2018-2023.	1.9	21

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37	Crystal Structure and Photoluminescence Properties of Redâ€Emitting Ca₉La_{1â^'x}(VO₄)₇:xEu³⁺ Phosphors for White Lightâ€Emitting Diodes. Journal of the American Ceramic Society, 2010, 93, 4081-4086.	1.9	53
38	Crystal and Electronic Structures, Photoluminescence Properties of Eu2+-Doped Novel Oxynitride Ba4Si6O16-3x/2Nx. Materials, 2010, 3, 1692-1708.	1.3	27
39	Temperature Dependent Luminescence of Yellowâ€Emitting Î±â€Sialon:Eu²⁺ Oxynitride Phosphors for White Lightâ€Emitting Diodes. Journal of the American Ceramic Society, 2009, 92, 2668-2673.	1.9	48