Philipp Strobel

List of Publications by Year
in descending order

30	748	566801 15	525886 27
papers	citations	h-index	g-index

31	31	31	491
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nitridic Analogs of Micas AESi3P4N10(NH)2 (AE = Mg, Mg0.94Ca0.06, Ca, Sr). Angewandte Chemie, 2022, 134, e202114902.	1.6	4
2	Nitridic Analogs of Micas AESi₃P₄N₁₀(NH)₂ (AE=Mg, Mg_{0.94}Ca_{0.06}, Ca, Sr). Angewandte Chemie - International Edition, 2022, 61, e202114902.	7.2	11
3	Inverseâ€Tunable Red Luminescence and Electronic Properties of Nitridoberylloaluminates Sr_{2â^'x}Ba_x[BeAl₃N₅]:Eu²⁺ (x=0â€“2). Chemistry - A European Journal, 2022, 28, .	1.7	2
4	Synthesis and Luminescence Properties of Amber Emitting La₇Sr[Si₁₀N₁₉O₃]â€‰:â€‰Eu²⁺ and Syntheses of the Substitutional Variants RE_{8â€x}AE_x[Si₁₀N_{20â€x}O_{2+x}]â€‰ with RE=La, Ce; AE=Ca, Sr, Ba; 0â‰¤xâ‰¤2. Chemistry - A European Journal, 2022, 28, .	1.7	3
5	Energy levels of Eu²⁺ states in the next-generation LED-phosphor SrLi₂Al₂O₂N₂:Eu²⁺. Journal of Materials Chemistry C, 2022, 10, 9740-9747.	2.7	13
6	Synthesis of Nitride Zeolites in a Hot Isostatic Press. Angewandte Chemie - International Edition, 2021, 60, 4470-4473.	7.2	6
7	Synthesis of Nitride Zeolites in a Hot Isostatic Press. Angewandte Chemie, 2021, 133, 4520-4523.	1.6	0
8	Missing Member in the MIIMIIISi4N7 Compound Class: Carbothermal Reduction and Nitridation Synthesis Revealing Substitution of N by C and O in CaLu[Si4N7â^'2xCxOx]:Eu2+/Ce3+ (x â‰ˆ 0.3). Chemistry - A European Journal, 2021, , .	1.7	2
9	Detecting a Hierarchy of Deep-Level Defects in the Model Semiconductor ZnSiN₂. Journal of Physical Chemistry C, 2021, 125, 27959-27965.	1.5	2
10	Illuminating Nitridoberylloaluminates: The Highly Efficient Red-Emitting Phosphor Sr₂[BeAl₃N₅]:Eu²⁺. Chemistry of Materials, 2020, 32, 6611-6617.	3.2	21
11	HIP to be Square: Simplifying Nitridophosphate Synthesis in a Hot Isostatic Press. Angewandte Chemie, 2020, 132, 18397-18400.	1.6	8
12	HIP to be Square: Simplifying Nitridophosphate Synthesis in a Hot Isostatic Press. Angewandte Chemie - International Edition, 2020, 59, 18240-18243.	7.2	9
13	Understanding of Luminescence Properties Using Direct Measurements on Eu ²⁺ â€Doped Wide Bandgap Phosphors. Advanced Optical Materials, 2020, 8, 2000504.	3.6	17
14	Ammonothermal Synthesis of Ba₂PO₃N â€“ An Oxonitridophosphate with Nonâ€Condensed PO₃N Tetrahedra. European Journal of Inorganic Chemistry, 2020, 2020, 841-846.	1.0	10
15	Nitridophosphateâ€Based Ultraâ€Narrowâ€Band Blueâ€Emitters: Luminescence Properties of AEP₈N₁₄:Eu²⁺ (AE=Ca, Sr, Ba). Chemistry - A European Journal, 2020, 26, 7292-7298.	1.7	24
16	Sr₃P₃N₇: Complementary Approach by Ammonothermal and Highâ€Pressure Syntheses. Chemistry - A European Journal, 2020, 26, 6257-6263.	1.7	18
17	Synthesis and Crystal Structure of the Strontium Beryllate Sr 3 Be 2 O 5. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 103-105.	0.6	1
18	Ab initio exploration and prediction of AE-containing nitrido(litho/magneso)tetrelates (AE = Ca,) Tj ETQq0 0 0 rgBT /Overlock 10 T [Ge₂N₆]^{10â^'} units. Dalton Transactions, 2019, 48, 8671-8677.	1.6	2

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19	MBe20N14:Eu2+ (M = Sr, Ba): Highly Condensed Nitridoberyllates with Exceptional Highly Energetic Eu2+ Luminescence. Chemistry of Materials, 2019, 31, 3174-3182.	3.2	24
20	Luminescence of an Oxonitridoberyllate: A Study of Narrow-Band Cyan-Emitting Sr[Be₆ON₄]:Eu²⁺. Chemistry of Materials, 2018, 30, 3122-3130.	3.2	77
21	Sr[BeSi₂N₄]:Eu²⁺/Ce³⁺ and Eu[BeSi₂N₄]: Nontypical Luminescence in Highly Condensed Nitridoberyllosilicates. Chemistry - A European Journal, 2018, 24, 7243-7249.	1.7	20
22	Ultraâ€Narrowâ€Band Blueâ€Emitting Oxoberyllates AELi₂[Be₄O₆]:Eu²⁺ (AE=Sr,Ba) Paving the Way to Efficient RGB pcâ€LEDs. Angewandte Chemie - International Edition, 2018, 57, 8739-8743.	7.2	87
23	Ultraâ€Narrowâ€Band Blueâ€Emitting Oxoberyllates AELi 2 [Be 4 O 6]:Eu 2+ (AE=Sr,Ba) Paving the Way to Efficient RGB pcâ€LEDs. Angewandte Chemie, 2018, 130, 8875-8879.	1.6	22
24	Oxoberyllates SrBeO₂ and Sr₁₂Be₁₇O₂₉ as Novel Host Materials for Eu²⁺ Luminescence. Chemistry - A European Journal, 2018, 24, 12678-12685.	1.7	11
25	Unprecedented Deep-Red Ce³⁺ Luminescence of the Nitridolithosilicates Li_{38.7}RE_{3.3}Ca_{5.7}[Li₂Si₃₀N₅₉]O₂ (RE = La, Ce, Y). Chemistry of Materials, 2018, 30, 5500-5506.	3.2	22
26	Luminescence of the Narrow-Band Red Emitting Nitridomagnesosilicate Li₂(Ca_{1â€“x}Sr_x)₂[Mg₂Si₂N₆] (x = 0â€“0.06). Chemistry of Materials, 2017, 29, 1377-1383.	3.2	86
27	Designing Luminescent Materials and Band Gaps: A Soft X-ray Spectroscopy and Density Functional Theory Study of Li₂Ca₂[Mg₂Si₂N₆]:Eu²⁺ and Ba[Li₂(Al₂Si₂)N₆]:Eu²⁺. Journal of Physical Chemistry C, 2017, 121, 14296-14301.	1.5	15
28	Direct Measurements of Energy Levels and Correlation with Thermal Quenching Behavior in Nitride Phosphors. Chemistry of Materials, 2017, 29, 7976-7983.	3.2	27
29	Nitridomagnesosilicate Ba[Mg₃SiN₄]:Eu²⁺ and Structureâ€Property Relations of Similar Narrow-Band Red Nitride Phosphors. Chemistry of Materials, 2015, 27, 1780-1785.	3.2	88
30	Narrow-Band Green Emitting Nitridolithoalumosilicate Ba[Li₂(Al₂Si₂)N₆]:Eu²⁺ with Framework Topology whj for LED/LCD-Backlighting Applications. Chemistry of Materials, 2015, 27, 6109-6115.	3.2	113