

# Keith Holliday

## List of Publications by Year in descending order

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23  
papers

577  
citations

623734

14  
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677142

22  
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23  
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23  
docs citations

23  
times ranked

336  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral hole burning and holography in $\text{Y}_2\text{SiO}_5:\text{Pr}^{3+}$ crystal. <i>Physical Review B</i> , 1993, 47, 14741-14752.	3.2	110
2	Spectral hole-burning measurements of optical dephasing between 200 K in $\text{Sm}^{2+}$ doped substitutionally disordered microcrystals. <i>Journal of Luminescence</i> , 1992, 53, 227-230.	3.1	61
3	Inhomogeneous broadening of optical transitions dominated by low-symmetry crystal-field components in $\text{Cr}^{3+}$ -doped gallogermanates. <i>Physical Review B</i> , 1995, 52, 3917-3929.	3.2	51
4	A spectral hole burning study of $\text{BaFClO}_5\text{Br}_0.5:\text{Sm}^{2+}$ . <i>Journal of Luminescence</i> , 1991, 50, 89-100.	3.1	43
5	Excited state absorption in $\text{Cr}^{3+}$ -doped gahnite glass ceramics. <i>Journal of Luminescence</i> , 1998, 78, 135-146.	3.1	34
6	Continuous function decay analysis of a multisite impurity activated solid. <i>Optics Communications</i> , 1998, 156, 409-418.	2.1	32
7	A study of substitutional disorder in : I. Fluorescence line narrowing. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 3487-3503.	1.8	31
8	Broadening of optical transitions in $\text{Cr}^{3+}$ -doped aluminosilicate glasses. <i>Physical Review B</i> , 1999, 59, 13712-13718.	3.2	30
9	Stark effect and spectral hole-burning: solvation of organic dyes in polymers. <i>Chemical Physics</i> , 1993, 171, 253-263.	1.9	27
10	Substitutional disorder and the optical spectroscopy of gallogermanate crystals. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 3933-3946.	1.8	20
11	Luminescence kinetics and emission lifetime distribution of $\text{Cr}^{3+}$ -doped aluminosilicate glass. <i>Journal of Luminescence</i> , 2001, 92, 277-286.	3.1	19
12	Transient and photon-gated persistent spectral holeburning in $\text{CaSO}_4:\text{Sm}$ . <i>Journal of Luminescence</i> , 1988, 42, 83-88.	3.1	16
13	Substitutional disorder and the ground state spectroscopy of gallogermanate crystals. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 569-578.	1.8	15
14	Optical spectroscopy and excited state absorption of the ZAS ( $\text{ZrO}_2-\text{Al}_2\text{O}_3-\text{SiO}_2$ ) glass doped with chromium. <i>Journal of Luminescence</i> , 1999, 81, 301-312.	3.1	15
15	Range of refractive independence and mechanism of action of a corneal shape-changing hydrogel inlay: Results and theory. <i>Journal of Cataract and Refractive Surgery</i> , 2015, 41, 1568-1579.	1.5	15
16	The influence of substitutional disorder on non-radiative transitions in $\text{Cr}^{3+}$ -doped gallogermanate crystals. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 2815-2829.	1.8	14
17	Nephelauxetic inhomogeneous broadening of optical transitions. <i>Chemical Physics Letters</i> , 1996, 252, 311-316.	2.6	13
18	Crystal field distribution and non-radiative transitions in $\text{Cr}^{3+}$ -doped gallogermanates. <i>Journal of Luminescence</i> , 1997, 72-74, 193-194.	3.1	9

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19	Concentration effects on spectra and persistent hole-burning of porphyrin-doped Langmuir-Blodgett films. <i>Chemical Physics Letters</i> , 1992, 197, 373-379.	2.6	7
20	A study of exchange interaction in $\text{Cr}^{3+}$ -doped. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 1575-1584.	1.8	6
21	Structure of the $2E_g-4A_2$ emission of the $\text{Cr}^{3+}$ : garnet glass ceramics. , 1997, 3176, 42.		4
22	On the lack of influence of disorder in $\text{Cr}^{3+}$ -doped $\text{LiSr}_0.8\text{Ca}_0.2\text{AlF}_6$ . <i>Applied Physics Letters</i> , 1998, 72, 2232-2234.	3.3	3
23	Detection of specifically oriented impurities in an amorphous host through interference between holograms stored as spectral holes. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1992, 9, 982.	2.1	2