

Kenneth O'Neal

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	High-Field Magnetoelectric and Spin-Phonon Coupling in Multiferroic (NH ₄) ₂ [FeCl ₅ ·(H ₂ O)]. Inorganic Chemistry, 2022, 61, 3434-3442.	1.9	3
2	Exploring few and single layer CrPS ₄ with near-field infrared spectroscopy. 2D Materials, 2021, 8, 035020.	2.0	10
3	Spectroscopic Analysis of Vibronic Relaxation Pathways in Molecular Spin Qubit [Ho(W ₅ O ₁₈) ₂] ⁹⁺ : Sparse Spectra Are Key. Inorganic Chemistry, 2021, 60, 14096-14104.	1.9	22
4	Symmetry crossover in layered M ₂ PS ₄ complexes $\langle \mathbb{R} \rangle$ via near-field infrared spectros. Physical Review B, 2020, 102, .	1.1	16
5	Piezochromism in the magnetic chalcogenide MnPS ₃ . Npj Quantum Materials, 2020, 5, .	1.8	26
6	Hot Carrier Cooling and Recombination Dynamics of Chlorine-Doped Hybrid Perovskite Single Crystals. Journal of Physical Chemistry Letters, 2020, 11, 8430-8436.	2.1	11
7	Nonreciprocal directional dichroism of a chiral magnet in the visible range. Npj Quantum Materials, 2020, 5, .	1.8	24
8	Developing the Pressure-Temperature-Magnetic Field Phase Diagram of Multiferroic [(CH ₃) ₂ NH ₂]Mn(HCOO) ₃ . Inorganic Chemistry, 2020, 59, 10083-10090.	1.9	15
9	Spin-Lattice Coupling Across the Magnetic Quantum-Phase Transition in Copper-Containing Coordination Polymers. Inorganic Chemistry, 2020, 59, 2127-2135.	1.9	7
10	Spin-lattice and electron-phonon coupling in 3d/5d hybrid Sr ₃ NiIrO ₆ . Npj Quantum Materials, 2019, 4, .	1.8	6
11	Charge and Bonding in CuGeO ₃ Nanorods. Nano Letters, 2018, 18, 3428-3434.	4.5	3
12	Frustration and Glasslike Character in RIn ₂ Mn ₂ O ₃ (R = Tb, Dy, Gd). Inorganic Chemistry, 2018, 57, 12501-12508.	1.9	8
13	High-pressure spectroscopic investigation of multiferroic Ni ₃ Mn ₃ Physical Review B, 2018, 98, .		
14	Magnetochromic sensing and size-dependent collective excitations in iron oxide nanoparticles. Physical Review B, 2017, 95, .	1.1	1
15	Pressure-Temperature Phase Diagram Reveals Spin-Lattice Interactions in Co[N(CN) ₂] ₂ . Inorganic Chemistry, 2017, 56, 4950-4955.	1.9	3
16	Magnetic phase transitions and magnetoelastic coupling in S=12 Heisenberg antiferromagnets. Physical Review B, 2017, 95, .	1.1	5
17	Vibronic coupling and band gap trends in CuGeO ₃ nanorods. Physical Review B, 2017, 96, .		
18	Electronic chirality in the metallic ferromagnet Fe _{1/3} TaS ₂ . Physical Review B, 2017, 96, .	1.1	11

#	ARTICLE	IF	CITATIONS
19	Phonon mode links ferroicities in multiferroic $\text{Ni}_2\text{V}_2\text{O}_7$. Physical Review B, 2017, 96, .	1.7	17
20	Competing magnetostructural phases in a semiclassical system. Npj Quantum Materials, 2017, 2, .	1.8	5
21	Magnetolectric Coupling through the Spin Flop Transition in $\text{Ni}_2\text{V}_2\text{O}_7$. Physical Review Letters, 2016, 117, 147402.	2.9	26
22	Pressure-induced structural transition in copper pyrazine dinitrate and implications for quantum magnetism. Physical Review B, 2016, 93, .	1.1	7
23	Spin Lattice Coupling in $[\text{Ni}(\text{HF})_2(\text{pyrazine})_2]\text{SbF}_6$ Involving the HF_2^+ Superexchange Pathway. Inorganic Chemistry, 2016, 55, 12172-12178.	1.9	7
24	Local Lattice Distortions in $\text{Mn}[\text{N}(\text{CN})_2]_2$ under Pressure. Inorganic Chemistry, 2016, 55, 1956-1961.	1.9	13
25	High Pressure Vibrational Properties of WS_2 Nanotubes. Nano Letters, 2016, 16, 993-999.	4.5	37
26	Magnetochromic effect in multiferroic $\text{RIn}_2\text{Mn}_2\text{O}_3$ (R=Tb, Dy). Physical Review B, 2015, 91, .	1.1	4
27	Optical evidence for bonding-antibonding splitting in IrTe_2 . Physical Review B, 2015, 91, .	1.5	15
28	Size-dependent vibronic coupling in Fe_2O_3 . Journal of Chemical Physics, 2014, 141, 044710.	1.2	5
29	Pressure-driven high-to-low spin transition in the bimetallic quantum magnet $[\text{Ru}_2(\text{O}_2\text{CMe})_4]_3[\text{Cr}(\text{CN})_6]$. Physical Review B, 2014, 90, .	1.1	14
30	Magnetic-field-induced shift of the optical band gap in $\text{Ni}_3\text{V}_2\text{O}_{11}$. Physical Review B, 2014, 89, .	1.5	15
31	Pressure-Induced Magnetic Crossover Driven by Hydrogen Bonding in $\text{CuF}_2(\text{H}_2\text{O})_2(3\text{-chloropyridine})$. Scientific Reports, 2014, 4, 6054.	1.6	20
32	The adsorption-controlled growth of LuFe_2O_4 by molecular-beam epitaxy. Applied Physics Letters, 2012, 101, .	1.5	38