

# Kenata Imoto

## List of Publications by Year in descending order

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65  
papers

2,254  
citations

411340

20  
h-index

242451

47  
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79  
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79  
docs citations

79  
times ranked

2607  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of Sub-Terahertz Raman Response and Nonlinear Optical Effects for Luminescent Yb(III) Complexes. <i>Advanced Optical Materials</i> , 2022, 10, 2101721.	3.6	17
2	Resonance Frequency Tuning of a 200%GHz Band Absorber by an External Magnetic Field. <i>Advanced Photonics Research</i> , 2022, 3, .	1.7	3
3	Pressure effect on long-term heat storage ceramics based on Mg-substituted $\text{Ti}_3\text{O}_5$ . <i>Materials Advances</i> , 2022, 3, 4824-4830.	2.6	5
4	Resonance Frequency Tuning of a 200%GHz Band Absorber by an External Magnetic Field. <i>Advanced Photonics Research</i> , 2022, 3, .	1.7	2
5	A magnetic field-switchable millimeter wave switch for 81, 94, and 140 GHz based on metal substituted $\mu$ -iron oxide. <i>Journal of Materials Chemistry C</i> , 2022, 10, 10815-10822.	2.7	2
6	Out-of-equilibrium lattice response to photo-induced charge-transfer in a MnFe Prussian blue analogue. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6773-6780.	2.7	9
7	Highly Efficient Broadband Millimeter-Wave-Absorbing Ultrathin Films. <i>Advanced Engineering Materials</i> , 2021, 23, 2001473.	1.6	13
8	Spin crossover phenomenon in a three-dimensional cyanido-bridged Fe <sup>II</sup> -Mo <sup>IV</sup> assembly. <i>Journal of Applied Physics</i> , 2021, 129, 105501.	1.1	7
9	Highly Efficient Broadband Millimeter-Wave-Absorbing Ultrathin Films. <i>Advanced Engineering Materials</i> , 2021, 23, 2170013.	1.6	0
10	Magnetic Properties and Second Harmonic Generation of Noncentrosymmetric Cyanido-Bridged Ln(III)-W(V) Assemblies. <i>Inorganic Chemistry</i> , 2021, 60, 12009-12019.	1.9	9
11	Innentitelbild: Exploring Ultrafast Photoswitching Pathways in RbMnFe Prussian Blue Analogue ( <i>Angew. Chem.</i> 43/2021). <i>Angewandte Chemie</i> , 2021, 133, 23214-23214.	1.6	0
12	Exploring Ultrafast Photoswitching Pathways in RbMnFe Prussian Blue Analogue. <i>Angewandte Chemie</i> , 2021, 133, 23455.	1.6	1
13	Exploring Ultrafast Photoswitching Pathways in RbMnFe Prussian Blue Analogue. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23267-23273.	7.2	11
14	Manganese-Octacyanonidoniobate-Based Ferrimagnet Possessing Bridging Ligands with Disulfide Bonds. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 4681-4689.	1.0	3
15	Photoswitchable Nonlinear-Optical Crystal Based on a Dysprosium-Iron Nitrosyl Metal Assembly. <i>Inorganic Chemistry</i> , 2021, 60, 2097-2104.	1.9	6
16	Second harmonic generation on chiral cyanido-bridged Fe <sup>II</sup> -Nb <sup>IV</sup> spin-crossover complexes. <i>Dalton Transactions</i> , 2021, 50, 8524-8532.	1.6	12
17	Observation of the correlation between the phonon frequency and long-range magnetic ordering on a MnW octacyanide molecule-based magnet. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10689-10696.	2.7	2
18	Magnetic Pole Flip by Millimeter Wave. <i>Advanced Materials</i> , 2020, 32, e2004897.	11.1	48

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19	Magnetic Recording: Magnetic Pole Flip by Millimeter Wave (Adv. Mater. 48/2020). Advanced Materials, 2020, 32, 2070361.	11.1	0
20	Sigmoidally hydrochromic molecular porous crystal with rotatable dendrons. Communications Chemistry, 2020, 3, .	2.0	14
21	Extremely low-frequency phonon material and its temperature- and photo-induced switching effects. Chemical Science, 2020, 11, 8989-8998.	3.7	23
22	Synthesis of nanosize tetratitanium heptoxide and its anomalous phase transition. Materials Research Letters, 2020, 8, 261-267.	4.1	5
23	A photoswitchable polar crystal that exhibits superionic conduction. Nature Chemistry, 2020, 12, 338-344.	6.6	73
24	Non-metallic electrical transport properties of a metastable $\langle b \rangle \langle i \rangle \langle i \rangle \langle /i \rangle \langle /b \rangle$ -Ti3O5 thin film epitaxially stabilized on a pseudobrookite seed layer. Applied Physics Letters, 2020, 116, .	1.5	9
25	Studies of Er( $\langle scp \rangle iii \langle /scp \rangle$ ) $\hat{a}$ W( $\langle scp \rangle v \langle /scp \rangle$ ) compounds showing nonlinear optical activity and single-molecule magnetic properties. CrystEngComm, 2019, 21, 5882-5889.	1.3	15
26	Humidity-Induced Switching between Two Magnetic and Structural Phases in a Co II $\hat{a}$ [W V (CN) 8 ] Molecular Magnet. Chemistry - A European Journal, 2019, 25, 11066-11073.	1.7	15
27	In Situ Ligand Transformation for Two-Step Spin Crossover in FeII[MIV(CN)8]4 $\hat{a}$ (M = Mo, Nb) Cyanido-Bridged Frameworks. Inorganic Chemistry, 2019, 58, 6052-6063.	1.9	24
28	Ultrafast magnetic response in $\hat{\mu}$ -Fe2O3 nano magnet measured by terahertz-pump optical-Faraday-probe measurement. , 2019, , .		0
29	Rapid Faraday Rotation on $\hat{\mu}$ -Iron Oxide Magnetic Nanoparticles by Visible and Terahertz Pulsed Light. Journal of the American Chemical Society, 2019, 141, 1775-1780.	6.6	57
30	Vanadium pentacyanonitrosylmolybdate-based magnet exhibiting a high magnetic ordering temperature of 200 K. Inorganic Chemistry Communication, 2018, 91, 20-23.	1.8	1
31	Magnetization-Induced Second Harmonic Generation (MSHG) in a Pentacyanonitrosylmolybdate-Based Piezoelectric Ferrimagnet. European Journal of Inorganic Chemistry, 2018, 2018, 1367-1370.	1.0	5
32	Highly Oriented Magnetic Film Composed of Ga-Substituted $\hat{\mu}$ -Iron Oxide and the Angular Dependence of the Magnetic Hysteresis Loops. European Journal of Inorganic Chemistry, 2018, 2018, 836-836.	1.0	0
33	Highly Oriented Magnetic Film Composed of Ga-Substituted $\hat{\mu}$ -Iron Oxide and the Angular Dependence of the Magnetic Hysteresis Loops. European Journal of Inorganic Chemistry, 2018, 2018, 847-851.	1.0	4
34	Chiral cyanido-bridged Mn $\hat{a}$ Nb magnets including halogen-bonds. CrystEngComm, 2018, 20, 7236-7241.	1.3	9
35	High performance sorption and desorption behaviours at high working temperatures of ammonia gas in a cobalt-substituted Prussian blue analogue. Chemical Communications, 2018, 54, 11961-11964.	2.2	22
36	Observation of Light-Induced Spin-Crossover Magnetism in a Fe-[Nb(CN)8] Bimetal Assembly. Springer Theses, 2017, , 29-46.	0.0	0

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37	Large Coercive Field of 45 kOe in a Magnetic Film Based on Metal-Substituted $\hat{\mu}$ -Iron Oxide. <i>Journal of the American Chemical Society</i> , 2017, 139, 13268-13271.	6.6	51
38	SHG-active Ln <sup>III</sup> [Mo <sup>I</sup> (CN) <sub>5</sub> (NO)] <sup>3+</sup> (Ln = Gd, Eu) magnetic coordination chains: a new route towards non-centrosymmetric molecule-based magnets. <i>CrystEngComm</i> , 2017, 19, 18-22.	1.3	15
39	Metal Substitution Effect on a Three-Dimensional Cyanido-Bridged Fe Spin-Crossover Network. <i>Inorganics</i> , 2017, 5, 63.	1.2	5
40	Two-Step Spin-Crossover and Photo-Induced Spin-Crossover Ferromagnetism in Fe 2 II [NbIV(CN)8](4-Methylpyridine)8·2H2O. <i>Springer Theses</i> , 2017, , 47-68.	0.0	0
41	Observation of Coexistence of Super-Ionic Conductivity and Metamagnetism in Mn3[NbIV(CN)8]2(4-Aminopyridine)10(4-Aminopyridinium)2·12H2O. <i>Springer Theses</i> , 2017, , 69-85.	0.0	0
42	Mesoscopic bar magnet based on $\hat{\mu}$ -Fe2O3 hard ferrite. <i>Scientific Reports</i> , 2016, 6, 27212.	1.6	37
43	Multimetal-Substituted Epsilon-Iron Oxide $\hat{\mu}$ -Ga <sub>0.31</sub> Ti <sub>0.05</sub> Co <sub>0.05</sub> Fe <sub>1.59</sub> O <sub>3</sub> for Next-Generation Magnetic Recording Tape in the Big-Data Era. <i>Angewandte Chemie</i> , 2016, 128, 11575-11578.	1.6	11
44	Multimetal-Substituted Epsilon-Iron Oxide $\hat{\mu}$ -Ga <sub>0.31</sub> Ti <sub>0.05</sub> Co <sub>0.05</sub> Fe <sub>1.59</sub> O <sub>3</sub> for Next-Generation Magnetic Recording Tape in the Big-Data Era. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11403-11406.	7.2	36
45	Photoreversible Spin-crossover Ferrimagnetism in Fe <sub>2</sub> [Nb(CN) <sub>8</sub> ](4-methylpyridine) <sub>8</sub> ·2H <sub>2</sub> O. <i>Chemistry Letters</i> , 2016, 45, 359-361.	0.7	13
46	4-Bromopyridine-Induced Chirality in Magnetic M <sup>II</sup> -[Nb <sup>IV</sup> (CN) <sub>8</sub> ] <sup>4-</sup> (M = Zn, Mn, Ni) Coordination Networks. <i>Crystal Growth and Design</i> , 2016, 16, 4119-4128.	1.4	17
47	Zeta-Fe2O3 - A new stable polymorph in iron(III) oxide family. <i>Scientific Reports</i> , 2015, 5, 15091.	1.6	81
48	Nanometer-size hard magnetic ferrite exhibiting high optical-transparency and nonlinear optical-magnetolectric effect. <i>Scientific Reports</i> , 2015, 5, 14414.	1.6	83
49	Structural Phase Transition between $\hat{\mu}$ -Ti <sub>3</sub> O <sub>5</sub> and $\hat{\mu}$ -Ti <sub>3</sub> O <sub>5</sub> by Breaking of a One-Dimensionally Conducting Pathway. <i>Crystal Growth and Design</i> , 2015, 15, 653-657.	1.4	44
50	External stimulation-controllable heat-storage ceramics. <i>Nature Communications</i> , 2015, 6, 7037.	5.8	82
51	Syntheses, crystal structures, and magnetic properties of Mn-Nb and Co-Nb cyanido-bridged bimetallic assemblies. <i>Inorganica Chimica Acta</i> , 2015, 425, 92-99.	1.2	9
52	90-degree optical switching of output second-harmonic light in chiral photomagnet. <i>Nature Photonics</i> , 2014, 8, 65-71.	15.6	276
53	Selective Synthesis of Co <sub>8</sub> S <sub>15</sub> Cluster in Bowl-Shaped Template of the Pentaaryl[60]fullerene Ligand. <i>Journal of the American Chemical Society</i> , 2013, 135, 10914-10917.	6.6	5
54	Mixed-Valence Cobalt(II/III)-Octacyanidotungstate(IV/V) Ferromagnet. <i>Crystal Growth and Design</i> , 2013, 13, 5267-5271.	1.4	16

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55	Syntheses, crystal structures, and magnetic properties of cyano-bridged Mn(II)–Nb(IV) bimetal assemblies. <i>Polyhedron</i> , 2013, 52, 424-428.	1.0	8
56	Super-Ionic Conductive Magnet Based on a Cyano-Bridged Mn–Nb Bimetal Assembly. <i>Crystal Growth and Design</i> , 2013, 13, 4673-4677.	1.4	20
57	Zero Thermal Expansion Fluid and Oriented Film Based on a Bistable Metal-Cyanide Polymer. <i>Chemistry of Materials</i> , 2012, 24, 1324-1330.	3.2	38
58	Conjunction of Chirality and Slow Magnetic Relaxation in the Supramolecular Network Constructed of Crossed Cyano-Bridged Co <sup>II</sup> –W <sup>V</sup> Molecular Chains. <i>Journal of the American Chemical Society</i> , 2012, 134, 16151-16154.	6.6	73
59	A Cyano-Bridged Vanadium–Niobium Bimetal Assembly Exhibiting a High Curie Temperature of 210 K. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2649-2652.	1.0	32
60	Three-Dimensional Ordered Arrays of 58Å–58Å–58Å... <sup>3</sup> Hollow Frameworks in Ionic Crystals of M <sub>2</sub> Zn <sub>2</sub> –Substituted Polyoxometalates. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1597-1601.	7.2	69
61	Light-induced spin-crossover magnet. <i>Nature Chemistry</i> , 2011, 3, 564-569.	6.6	479
62	Humidity-Sensitive Magnet Composed of a Cyano-Bridged Co <sup>II</sup> –Nb <sup>IV</sup> Dimetallic Assembly. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4079-4082.	1.0	32
63	High Proton Conductivity in Prussian Blue Analogues and the Interference Effect by Magnetic Ordering. <i>Journal of the American Chemical Society</i> , 2010, 132, 6620-6621.	6.6	222
64	Poly[aqua-hexabenzimidazoleocta-1/4-cyano-octacyanidotricopper(II)ditungstate(V)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, m403-m404.	0.2	0
65	Vanadium Octacyanonitrate-Based Magnet with a Curie Temperature of 138 K. <i>Inorganic Chemistry</i> , 2009, 48, 4604-4606.	1.9	55