

# Jian Tang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3283721/publications.pdf>

Version: 2024-02-01

15  
papers

273  
citations

1040056

9  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

121  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural modification from centrosymmetric $\text{Rb}_4\text{Hg}_2\text{Ge}_2\text{S}_8$ to noncentrosymmetric $(\text{Na}_3\text{Rb})\text{Hg}_2\text{Ge}_2\text{S}_8$ : mixed alkali metals strategy for infrared nonlinear optical material design. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3300-3306.	5.5	13
2	The synthesis and structure–property relation analysis of metal chalcogenide crystals $\text{Cs}_2\text{InPS}_4\text{X}_2$ ( $\text{X} = \text{Cl}, \text{Br}$ ) with mixed anions. <i>Dalton Transactions</i> , 2022, 51, 4728-4733.	3.3	1
3	$\text{SrAgAsS}_4$ : A Noncentrosymmetric Sulfide with Good Infrared Nonlinear Optical Performance Induced by Aliovalent Substitution from Centrosymmetric $\text{SrGa}_2\text{S}_4$ . <i>Inorganic Chemistry</i> , 2022, 61, 9205-9212.	4.0	6
4	Structural Diversity and Giant Birefringence in Cyanates $\text{BaCNOX}$ ( $\text{X} = \text{Cl}, \text{Br}, \text{I}, \text{and CNO}$ ) Containing Linear $\pi$ -Conjugated Units: A Combined Experimental and Theoretical Study. <i>Crystal Growth and Design</i> , 2020, 20, 1242-1247.	3.0	6
5	Mechanochemical Synthesis of an Ionic Cocrystal with Large Birefringence Resulting from Neutral Planar $\pi$ -Conjugated Groups. <i>Crystal Growth and Design</i> , 2020, 20, 7588-7592.	3.0	21
6	Optimal arrangement of $\pi$ -conjugated anionic groups in hydro-isocyanurates leads to large optical anisotropy and second-harmonic generation effect. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3674-3686.	6.0	24
7	New quaternary chalcogenide $\text{Ba}_4\text{HgAs}_2\text{S}_{10}$ originating from the combination of linear $[\text{HgS}_2]^{2-}$ and tetrahedral $[\text{AsS}_4]^{3-}$ modules. <i>Dalton Transactions</i> , 2020, 49, 13060-13065.	3.3	4
8	$\text{Ba}_2\text{M}(\text{C}_3\text{N}_3\text{O}_3)_2$ ( $\text{M} = \text{Sr}, \text{Pb}$ ): Band Engineering from $\pi$ - $\pi$ Interaction via Homovalent Substitution in Metal Cyanurates Containing Planar $\pi$ -Conjugated Groups. <i>Inorganic Chemistry</i> , 2019, 58, 9553-9556.	4.0	32
9	“Two in one” an unprecedented mixed anion, $\text{Ba}_2(\text{C}_3\text{N}_3\text{O}_3)(\text{CNO})$ , with the coexistence of isolated sp and $\text{sp}^2$ $\pi$ -conjugated groups. <i>Dalton Transactions</i> , 2019, 48, 14246-14250.	3.3	15
10	$\text{LiO}_4$ tetrahedra lock the alignment of $\pi$ -conjugated layers to maximize optical anisotropy in metal hydroisocyanurates. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2850-2854.	6.0	29
11	Parallel Alignment of $\pi$ -Conjugated Anions in Hydroisocyanurates Enhancing Optical Anisotropy. <i>Inorganic Chemistry</i> , 2019, 58, 8948-8952.	4.0	20
12	$\text{Cs}_3\text{Na}(\text{H}_2\text{C}_3\text{N}_3\text{O}_3)_4 \cdot 3\text{H}_2\text{O}$ : A Mixed Alkali-Metal Hydroisocyanurate Nonlinear Optical Material Containing $\pi$ -Conjugated Six-Membered-Ring Units. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2789-2789.	2.0	1
13	$\text{Cs}_3\text{Na}(\text{H}_2\text{C}_3\text{N}_3\text{O}_3)_4 \cdot 3\text{H}_2\text{O}$ : A Mixed Alkali-Metal Hydroisocyanurate Nonlinear Optical Material Containing $\pi$ -Conjugated Six-Membered-Ring Units. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2791-2795.	2.0	49
14	$\text{Ba}_3(\text{C}_3\text{N}_3\text{O}_3)_2$ : A New Phase of Barium Cyanurate Containing Parallel $\pi$ -Conjugated Groups as a Birefringent Material Replacement for Calcite. <i>Crystal Growth and Design</i> , 2019, 19, 568-572.	3.0	49
15	Characterization of pulsed metallic hydride vacuum arc discharge plasmas by optical emission spectroscopy. <i>European Physical Journal D</i> , 2017, 71, 1.	1.3	1