

# Georg A Reider

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

1,570  
citations

759233

12  
h-index

752698

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2335  
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray Pulses Approaching the Attosecond Frontier. <i>Science</i> , 2001, 291, 1923-1927.	12.6	683
2	Observation of Rapid Excitonâ€“Exciton Annihilation in Monolayer Molybdenum Disulfide. <i>Nano Letters</i> , 2014, 14, 5625-5629.	9.1	457
3	Second-harmonic generation from nanoscopic metal tips: Symmetry selection rules for single asymmetric nanostructures. <i>Physical Review B</i> , 2005, 71, .	3.2	101
4	Fast latching type optical switch. <i>Journal of Applied Physics</i> , 2004, 95, 7339-7341.	2.5	64
5	Laser micro machining of 3Câ€“SiC single crystals. <i>Microelectronic Engineering</i> , 2006, 83, 1400-1402.	2.4	63
6	XUV attosecond pulses: generation and measurement. <i>Journal Physics D: Applied Physics</i> , 2004, 37, R37-R48.	2.8	46
7	Systematic Investigations on 1,2,3-Triazole-Based Compounds Capable of Second Harmonic Generation. <i>Crystal Growth and Design</i> , 2014, 14, 1018-1031.	3.0	25
8	Structureâ€“Property Relationships in Clickâ€“Derived Donorâ€“Triazoleâ€“Acceptor Materials. <i>Chemistry - A European Journal</i> , 2016, 22, 18887-18898.	3.3	22
9	Electroelastic effect in alpha quartz. <i>Journal of Applied Physics</i> , 1982, 53, 8716-8721.	2.5	20
10	Two color laser ablation: Enhanced yield, improved machining. <i>Applied Surface Science</i> , 2007, 253, 7692-7695.	6.1	17
11	Modified eneâ€“yne compounds: a novel functional material with nonlinear optical properties. <i>CrystEngComm</i> , 2011, 13, 7194.	2.6	15
12	Thiophene ring-fragmentation reactions: Principles and scale-up towards NLO materials. <i>Tetrahedron</i> , 2017, 73, 472-480.	1.9	13
13	A novel selenoalkenyl-isoxazole based donorâ€“acceptor nonlinear optical material. <i>CrystEngComm</i> , 2018, 20, 12-16.	2.6	12
14	Manifestations of new $\chi^{(3)}$ - and $\chi^{(2)}$ -nonlinear optical interactions and $\chi^{(2)}$ -properties of orthorhombic bis(guanidinium) zirconium bis(nitrilotriacetate) hydrate, $[\text{C}(\text{NH})_2]_3[\text{Zr}(\text{N}(\text{CH}_2)_2\text{COO})_3]_2 \cdot 2\text{H}_2\text{O}$ crystal. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 695-709.	1.8	10
15	Device for improving ultrasonic transit time measurements with standard pulse echo equipment. <i>Review of Scientific Instruments</i> , 1980, 51, 355-356.	1.3	7
16	Ethyne-Linked Pushâ€“Pull Chromophores: Implications of Crystal Structure and Molecular Electronics on the Quadric Nonlinear Activity. <i>Crystal Growth and Design</i> , 2017, 17, 4124-4136.	3.0	5
17	Correction procedure for measurements of the electroelastic effect in transverse fields. <i>Journal of the Acoustical Society of America</i> , 1982, 71, 1283-1284.	1.1	4
18	Standard deviation of averaged digital time interval measurements. <i>Review of Scientific Instruments</i> , 1980, 51, 1423-1424.	1.3	2

#	ARTICLE	IF	CITATIONS
19	Novel ene-yne compounds as quadratic nonlinear optical materials. Proceedings of SPIE, 2011, , .	0.8	2
20	Dependence of ultrasonic propagation velocities and transit times on an electric biasing field in alpha quartz. Journal of the Acoustical Society of America, 1983, 73, 1995-1999.	1.1	1
21	Selective femtosecond laser micro-structuring of photoresists and TCO. , 2007, , .		1
22	Breaking the 1-femtosecond barrier “ the advent of attosecond metrology. , 2002, , .		0