Gregory Kuzmanich

List of Publications by Year
in descending order

14	359	840119 11	1058022 14
papers	citations	h-index	g-index

15	15	15	559
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-Quality White Light Using Coreâ€“Shell RE³⁺:LaPO₄ (RE = Eu, Tb, Dy, Ce) Phosphors. Journal of Physical Chemistry C, 2012, 116, 12854-12860.	1.5	60
2	Photonic Amplification by a Singlet-State Quantum Chain Reaction in the Photodecarbonylation of Crystalline Diarylcyclopropenones. Journal of the American Chemical Society, 2009, 131, 11606-11614.	6.6	58
3	Solid-State Photodecarbonylation of Diphenylcyclopropenone:â€‰ A Quantum Chain Process Made Possible by Ultrafast Energy Transfer. Journal of the American Chemical Society, 2008, 130, 1140-1141.	6.6	44
4	Elucidating the Effects of a Rare-Earth Oxide Shell on the Luminescence Dynamics of Er³⁺:Y₂O₃ Nanoparticles. Journal of Physical Chemistry C, 2012, 116, 10333-10340.	1.5	39
5	Excited State Kinetics in Crystalline Solids: Self-Quenching in Nanocrystals of 4,4â€²-Disubstituted Benzophenone Triplets Occurs by a Reductive Quenching Mechanism. Journal of the American Chemical Society, 2011, 133, 17296-17306.	6.6	31
6	Oxyallyl Exposed: An Open-Shell Singlet with Picosecond Lifetimes in Solution but Persistent in Crystals of a Cyclobutanedione Precursor. Journal of the American Chemical Society, 2011, 133, 2342-2345.	6.6	28
7	Steady state and transient kinetics in crystalline solids: the photochemistry of nanocrystalline 1,1,3-triphenyl-3-hydroxy-2-indanone. Chemical Science, 2011, 2, 1497.	3.7	17
8	Ring strain release as a strategy to enable the singlet state photodecarbonylation of crystalline 1,4â€cyclobutanediones. Journal of Physical Organic Chemistry, 2011, 24, 883-888.	0.9	16
9	Reaction Mechanism in Crystalline Solids: Kinetics and Conformational Dynamics of the Norrish Type II Biradicals from Î±-Adamantyl-p-Methoxyacetophenone. Journal of the American Chemical Society, 2012, 134, 1115-1123.	6.6	16
10	Ultrafast Spectroscopic Observation of a Quantum Chain Reaction: The Photodecarbonylation of Nanocrystalline Diphenylcyclopropenone. Journal of Physical Chemistry Letters, 2012, 3, 81-86.	2.1	13
11	Quantum Chain Reaction of Tethered Diarylcyclopropenones in the Solid State and Their Distance-Dependence in Solution Reveal a Dexter S₂â€“S₂ Energy-Transfer Mechanism. Journal of Physical Chemistry A, 2014, 118, 1858-1863.	1.1	12
12	Optimizing the crystal environment through extended x-ray absorption fine structure to increase the luminescent lifetimes of Er3+ doped Y2O3 nanoparticles. Journal of Applied Physics, 2012, 111, 083529.	1.1	11
13	Photochemical reaction mechanisms and kinetics with molecular nanocrystals: surface quenching of triplet benzophenone nanocrystals. Journal of Physical Organic Chemistry, 2010, 23, 376-381.	0.9	9
14	Stable radicals during photodecarbonylations of trityl-alkyl ketones enable solid state reactions through primary and secondary radical centers. Photochemical and Photobiological Sciences, 2011, 10, 1731-1734.	1.6	5