

# Carsten Rothe

## List of Publications by Year in descending order

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16  
papers

1,210  
citations

623734

14  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1586  
citing authors

#	ARTICLE	IF	CITATIONS
1	51.2: Outcoupling Enhancement Mechanism Investigation on Highly Efficient PIN OLEDs using Crystallizing Evaporation Processed Organic Outcoupling Layers. Digest of Technical Papers SID International Symposium, 2012, 43, 687-690.	0.3	13
2	Singlet Generation Yields in Organic Light-Emitting Diodes. Proceedings of the IEEE, 2009, 97, 1597-1605.	21.3	16
3	Ionic Iridium(III) Complexes with Bulky Side Groups for Use in Light Emitting Cells: Reduction of Concentration Quenching. Advanced Functional Materials, 2009, 19, 2038-2044.	14.9	136
4	Exceptionally efficient organic light emitting devices using high refractive index substrates. Optics Express, 2009, 17, 7562.	3.4	102
5	Cationic Bis- $\pi$ -cyclometallated Iridium(III) Phenanthroline Complexes with Pendant Fluorenyl Substituents: Synthesis, Redox, Photophysical Properties and Light-Emitting Cells. Chemistry - A European Journal, 2008, 14, 933-943.	3.3	105
6	Polyfluorene Photophysics. , 2008, , 187-225.		39
7	The Complex Excited-state Behavior of a Polyspirobifluorene Derivative: The Role of Spiroconjugation and Mixed Charge Transfer Character on Excited-state Stabilization and Radiative Lifetime. Journal of Physical Chemistry B, 2008, 112, 16300-16306.	2.6	33
8	A Tris-Cyclometalated Iridium(III) Complex of 2-(5,5-Dioxido-dibenzothiophen-3-yl)pyridine: Synthesis, Structural, Redox and Photophysical Properties. European Journal of Inorganic Chemistry, 2007, 2007, 4808-4814.	2.0	25
9	Size and shape-dependent electron-hole relaxation dynamics in CdS nanocrystals. Optical Materials, 2007, 29, 1310-1320.	3.6	16
10	Long-range resonantly enhanced triplet formation in luminescent polymers doped with iridium complexes. Nature Materials, 2006, 5, 463-466.	27.5	40
11	Regarding the origin of the delayed fluorescence of conjugated polymers. Journal of Chemical Physics, 2005, 123, 244904.	3.0	31
12	Triplet build in and decay of isolated polyspirobifluorene chains in dilute solution. Journal of Chemical Physics, 2004, 121, 10803-10808.	3.0	18
13	Carbazole Compounds as Host Materials for Triplet Emitters in Organic Light-Emitting Diodes: Polymer Hosts for High-Efficiency Light-Emitting Diodes. Journal of the American Chemical Society, 2004, 126, 7718-7727.	13.7	416
14	Triplet exciton migration in a conjugated polyfluorene. Physical Review B, 2003, 68, .	3.2	148
15	Dynamics and trap-depth distribution of triplet excited states in thin films of the light-emitting polymer poly(9,9-di(ethylhexyl)fluorene). Physical Review B, 2002, 65, .	3.2	50
16	Spectroscopic investigation of the different long-lived photoexcitations in a polythiophene. Journal of Chemical Physics, 2002, 116, 10503-10507.	3.0	22