

# Thomas Blaudeck

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8596241/thomas-blaudeck-publications-by-citations.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38  
papers

876  
citations

17  
h-index

29  
g-index

48  
ext. papers

1,000  
ext. citations

3.5  
avg, IF

3.74  
L-index

#	Paper	IF	Citations
38	Inkjet Printing of Conductive Silver Patterns by Using the First Aqueous Particle-Free MOD Ink without Additional Stabilizing Ligands <i>Chemistry of Materials</i> , <b>2010</b> , 22, 3067-3071	9.6	136
37	Nanoassemblies designed from semiconductor quantum dots and molecular arrays. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 8679-92	3.4	86
36	Probing Wave Functions at Semiconductor Quantum-Dot Surfaces by Non-FRET Photoluminescence Quenching. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 20251-20257	3.8	76
35	Quantitative Analysis of Singlet Oxygen ( $^1O_2$ ) Generation via Energy Transfer in Nanocomposites Based on Semiconductor Quantum Dots and Porphyrin Ligands. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 21535-21545	3.8	56
34	Chemical post-treatment and thermoelectric properties of poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) thin films. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 054908	2.5	50
33	Formation principles and ligand dynamics of nanoassemblies of CdSe quantum dots and functionalised dye molecules. <i>ChemPhysChem</i> , <b>2012</b> , 13, 959-72	3.2	41
32	High-resolution inkjet printing of conductive carbon nanotube twinlines utilizing evaporation-driven self-assembly. <i>Carbon</i> , <b>2016</b> , 96, 382-393	10.4	40
31	Inkjet printing of conductive patterns with an aqueous solution of $[AgO_2C(CH_2OCH_2)_3H]$ without any additional stabilizing ligands. <i>Thin Solid Films</i> , <b>2010</b> , 518, 3218-3222	2.2	40
30	Macroheterocyclic Compounds - a Key Building Block in New Functional Materials and Molecular Devices. <i>Macroheterocycles</i> , <b>2020</b> , 13, 311-467	2.2	36
29	Self-Assembly of Spherical Colloidal Photonic Crystals inside Inkjet-Printed Droplets. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 1017-1026	3.5	30
28	Inkjet Printing of Colloidal Nanospheres: Engineering the Evaporation-Driven Self-Assembly Process to Form Defined Layer Morphologies. <i>Nanoscale Research Letters</i> , <b>2015</b> , 10, 362	5	29
27	Inkjet printing as a tool for the patterned deposition of octadecylsiloxane monolayers on silicon oxide surfaces. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 7494-504	3.6	28
26	Particle-free gold metalorganic decomposition ink for inkjet printing of gold structures. <i>Thin Solid Films</i> , <b>2013</b> , 531, 147-151	2.2	28
25	Simplified Large-Area Manufacturing of Organic Electrochemical Transistors Combining Printing and a Self-Aligning Laser Ablation Step. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 2939-2948	15.6	27
24	Size-Dependent Non-FRET Photoluminescence Quenching in Nanocomposites Based on Semiconductor Quantum Dots CdSe/ZnS and Functionalized Porphyrin Ligands. <i>International Journal of Spectroscopy</i> , <b>2012</b> , 2012, 1-14		19
23	The nature of non-FRET photoluminescence quenching in nanoassemblies from semiconductor quantum dots and dye molecules. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 18579-18600	3.6	18
22	In-Flight Inkjet Self-Assembly of Spherical Nanoparticle Aggregates. <i>Advanced Engineering Materials</i> , <b>2012</b> , 14, 98-100	3.5	17

21	Effects of electron tunneling and nonresonance quenching of photoluminescence in semiconducting CdSe/ZnS AND CdSe nanocrystals by porphyrin molecules in joint complexes. <i>Theoretical and Experimental Chemistry</i> , <b>2009</b> , 45, 23-34	1.3	16
20	Wafer-level decoration of carbon nanotubes in field-effect transistor geometry with preformed gold nanoparticles using a microfluidic approach. <i>Microelectronic Engineering</i> , <b>2015</b> , 137, 135-140	2.5	13
19	Photophysical properties of self-aggregated porphyrin: semiconductor nanoassemblies. <i>International Journal of Photoenergy</i> , <b>2006</b> , 2006, 1-7	2.1	12
18	Self-Assembly of Ordered Colloidal Nanoparticle Films in Few-Micron Wide Laser-Desorbed Lines of Octadecylsiloxane Monolayers on Silicon Oxide Surfaces. <i>Advanced Engineering Materials</i> , <b>2014</b> , 16, 1090-1097 <sup>3,5</sup> 11	2.5	11
17	Quantitative in-situ scanning electron microscope pull-out experiments and molecular dynamics simulations of carbon nanotubes embedded in palladium. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 144301	2.5	10
16	Ligand Exchange Dynamics and Temperature Effects upon Formation of Nanocomposites Based on Semiconductor CdS/ZnS Quantum Dots and Porphyrins: Ensemble and Single Object Measurements. <i>Macromolecules</i> , <b>2012</b> , 45, 98-114	2.2	10
15	Ferrocenyl-Pyrenes, Ferrocenyl-9,10-Phenanthrenediones, and Ferrocenyl-9,10-Dimethoxyphenanthrenes: Charge-Transfer Studies and SWCNT Functionalization. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 2635-2652	4.8	9
14	Metal nanoparticles reveal the organization of single-walled carbon nanotubes in bundles. <i>RSC Advances</i> , <b>2016</b> , 6, 15753-15758	3.7	8
13	Carbon Nanotubes for Mechanical Sensor Applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2019</b> , 216, 1900584	1.6	8
12	Synthesis, solvatochromism, and photophysical properties of the polymer-tetherable 3-[4-di(2-hydroxyethyl)amino]phenyl-l-(2-furyl)-2-propene-l-one. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2007</b> , 185, 44-50	4.7	7
11	Photosensitive Field-Effect Transistors Made from Semiconducting Carbon Nanotubes and Non-Covalently Attached Gold Nanoparticles. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2019</b> , 216, 1900030	1.6	5
10	Experimental and computational studies on the role of surface functional groups in the mechanical behavior of interfaces between single-walled carbon nanotubes and metals. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 1217-1233	4.3	3
9	Advanced Characterization Methods for Electrical and Sensoric Components and Devices at the Micro and Nano Scales. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2019</b> , 216, 1900106	1.6	2
8	Nitrogen-containing porous carbon materials by twin polymerization. <i>Colloid and Polymer Science</i> , <b>2018</b> , 296, 413-426	2.4	2
7	Bridging the gap: Perspectives of nanofabrication technologies for application-oriented research. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2021</b> , 39, 062805	1.3	1
6	Self-assembly of semiconductor quantum dots with porphyrin chromophores: Energy relaxation processes and biomedical applications. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1244, 131239	3.4	1
5	Concepts of metal-organic decomposition (MOD) silver inks for structured metallization by inkjet printing. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1285, 1		
4	Preparation of spherical, ordered colloidal aggregates using inkjet printing. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1453, 15		

3 Fluorescence Quenching of Semiconductor Quantum Dots by Multiple Dye Molecules **2016**, 201-213

2 Static and Dynamic Quenching of Quantum Dot Photoluminescence by Organic Semiconductors and Dye Molecules **2016**, 215-243

1 Biocomputation Using Molecular Agents Moving in Microfluidic Channel Networks: An Alternative Platform for Information Technology. *Studies in Systems, Decision and Control*, **2022**, 15-27

0.8