

# Donald A Tomalia

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4172378/donald-a-tomalia-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.

19  
papers

5,034  
citations

13  
h-index

21  
g-index

21  
ext. papers

5,310  
ext. citations

7.5  
avg, IF

5.9  
L-index

#	Paper	IF	Citations
19	Starburst Dendrimers: Molecular-Level Control of Size, Shape, Surface Chemistry, Topology, and Flexibility from Atoms to Macroscopic Matter. <i>Angewandte Chemie International Edition in English</i> , <b>1990</b> , 29, 138-175		2705
18	Discovery of dendrimers and dendritic polymers: A brief historical perspective*. <i>Journal of Polymer Science Part A</i> , <b>2002</b> , 40, 2719-2728	2.5	691
17	Dendrimer-based drug and imaging conjugates: design considerations for nanomedical applications. <i>Drug Discovery Today</i> , <b>2010</b> , 15, 171-85	8.8	638
16	In quest of a systematic framework for unifying and defining nanoscience. <i>Journal of Nanoparticle Research</i> , <b>2009</b> , 11, 1251-1310	2.3	216
15	Dendrons/dendrimers: quantized, nano-element like building blocks for soft-soft and soft-hard nano-compound synthesis. <i>Soft Matter</i> , <b>2010</b> , 6, 456-474	3.6	175
14	Dendrimers, Dendrons, and Dendritic Polymers: Discovery, Applications, and the Future <b>2012</b> ,		166
13	A Systematic Framework and Nanoperiodic Concept for Unifying Nanoscience: Hard/Soft Nanoelements, Superatoms, Meta-Atoms, New Emerging Properties, Periodic Property Patterns, and Predictive Mendeleev-like Nanoperiodic Tables. <i>Chemical Reviews</i> , <b>2016</b> , 116, 2705-74	68.1	156
12	Dendritic effects: dependency of dendritic nano-periodic property patterns on critical nanoscale design parameters (CNDPs). <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 264-281	3.6	133
11	Thermal polymerization of a 2-(carboxyalkyl)-2-oxazoline. <i>Macromolecules</i> , <b>1988</b> , 21, 1556-1562	5.5	38
10	The Role of Branch Cell Symmetry and Other Critical Nanoscale Design Parameters in the Determination of Dendrimer Encapsulation Properties. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	26
9	Improved Methodology for Monitoring Poly(amidoamine) Dendrimers Surface Transformations and Product Quality by Ultra Performance Liquid Chromatography. <i>Journal of Nanomaterials</i> , <b>2008</b> , 2008, 1-7	3.2	22
8	Liver Activation of Hepatocellular Nuclear Factor-4 $\beta$ by Small Activating RNA Rescues Dyslipidemia and Improves Metabolic Profile. <i>Molecular Therapy - Nucleic Acids</i> , <b>2020</b> , 19, 361-370	10.7	22
7	IN QUEST OF A SYSTEMATIC FRAMEWORK FOR UNIFYING AND DEFINING NANOSCIENCE. <i>Modern Physics Letters B</i> , <b>2014</b> , 28, 1430002	1.6	15
6	Determination of non-traditional intrinsic fluorescence (NTIF) emission sites in 1-(4-carbomethoxypyrrolidone)-PAMAM dendrimers using CNDP-based quenching studies. <i>Journal of Nanoparticle Research</i> , <b>2018</b> , 20, 1	2.3	11
5	Engineering dendrimers to produce dendrimer dipole excitation based terahertz radiation sources suitable for spectrometry, molecular and biomedical imaging. <i>Nanoscale Horizons</i> , <b>2017</b> , 2, 127-134	10.8	8
4	In memoriam of Prof. Dr. Fritz Vögtle (1939–2017). <i>Canadian Journal of Chemistry</i> , <b>2017</b> , 95, ix-x	0.9	2
3	Critical evaluation of the interaction of special proteins with human stratum corneum via terahertz scanning reflectometry and spectrometry. <i>Precision Nanomedicine</i> , <b>2019</b> , 2, 256-269	1.2	0

- |   |   |     |   |
|---|---|-----|---|
| 2 | Terahertz-based nanometrology: multispectral imaging of nanoparticles and nanoclusters in suspensions. <i>Journal of Nanoparticle Research</i> , <b>2018</b> , 20, 1  | 2.3 | 0 |
| 1 | Early Goddard Contributions Confirming the Dendritic State: Engineering PAMAM Dendrimer CNDPs to Generate CW-Terahertz Radiation Suitable for Molecular, Bio- and Diagnostics Imaging Spectroscopy. <i>Springer Series in Materials Science</i> , <b>2021</b> , 935-958 | 0.9 |   |