

# Rosaria D Amato

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8234709/rosaria-damato-publications-by-citations.pdf>

**Version:** 2024-04-27

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.

46  
papers

807  
citations

17  
h-index

27  
g-index

53  
ext. papers

899  
ext. citations

3.8  
avg, IF

3.64  
L-index

#	Paper	IF	Citations
46	Pressure-Induced Cis to Trans Isomerization of Poly((p-nitrophenyl)acetylene) Prepared Using Rh Complex Catalysts. Extension of [Conjugation Length. <i>Macromolecules</i> , <b>1998</b> , 31, 8660-8665	5.5	68
45	Synthesis, characterisation and optical properties of symmetrical and unsymmetrical Pt(II) and Pd(II) bis-acetylides. Crystal structure of trans-[Pt(PPh <sub>3</sub> ) <sub>2</sub> (C≡C <sub>6</sub> H <sub>5</sub> )(C≡C <sub>6</sub> H <sub>4</sub> NO <sub>2</sub> )]. <i>Journal of Organometallic Chemistry</i> , <b>2001</b> , 627, 13-22	2.3	65
44	Synthesis and characterisation of bis(ferrocenylethynyl) complexes of platinum (II) A re-investigation of their electrochemical behaviour. <i>Inorganic Chemistry Communication</i> , <b>1998</b> , 1, 239-243 <sup>3.1</sup>	3.1	53
43	Synthesis of ceramic nanoparticles by laser pyrolysis: From research to applications. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2013</b> , 104, 461-469	6	49
42	Z-scan measurements of third-order optical non-linearities in poly(phenylacetylenes). <i>Synthetic Metals</i> , <b>2001</b> , 124, 217-219	3.6	39
41	Fiber Bragg Grating Measuring System for Simultaneous Monitoring of Temperature and Humidity in Mechanical Ventilation. <i>Sensors</i> , <b>2017</b> , 17,	3.8	36
40	Second-harmonic generation and absorption spectra of platinum organometallic complexes incorporated in PMMA films. <i>Chemical Physics Letters</i> , <b>2000</b> , 319, 107-112	2.5	34
39	Synthesis of conjugated polymeric nanobeads for photonic bandgap materials. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 126, 35-40	8.5	32
38	Growth control and long-range self-assembly of poly(methyl methacrylate) nanospheres. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 102, 4493-4499	2.9	32
37	Acetylenic polymers as new immobilization matrices for lipolytic enzymes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2005</b> , 32, 67-76		32
36	Heat Transfer in Water-Based SiC and TiO <sub>2</sub> Nanofluids. <i>Heat Transfer Engineering</i> , <b>2013</b> , 34, 1060-1072	1.7	30
35	Chemical synthesis of polyphenylacetylene nanospheres with controlled dimensions for photonic crystals. <i>Materials Science and Engineering C</i> , <b>2003</b> , 23, 861-865	8.3	25
34	Copolymers of phenylacetylene and para-nitrophenylacetylene with nonlinear optical properties: Further insight on the conformational structure. <i>Journal of Polymer Science Part A</i> , <b>2004</b> , 42, 2365-2376	2.5	24
33	Organometallic Platinum(II) and Palladium(II) Polymers Containing 2,6-Diethynyl-4-nitroaniline Bridging Spacer and Related Dinuclear Model Complexes. <i>Organometallics</i> , <b>2004</b> , 23, 2860-2869	3.8	24
32	Static and dynamic light scattering measurements of polyphenylacetylene (PPA) in different organic solvents (tetrahydrofuran, toluene and chloroform). <i>Synthetic Metals</i> , <b>2000</b> , 114, 173-179	3.6	23
31	Fiber Bragg Grating Probe for Relative Humidity and Respiratory Frequency Estimation: Assessment During Mechanical Ventilation. <i>IEEE Sensors Journal</i> , <b>2018</b> , 18, 2125-2130	4	21
30	Synthesis and properties of p-nitrophenylacetylene-phenylacetylene copolymers. <i>Journal of Polymer Science Part A</i> , <b>1998</b> , 36, 93-102	2.5	18

29	Probing delocalisation across highly ethynylated mono and dinuclear Pt(II) tethers containing nitrogroups and organic models as redox active probes: X-ray crystal structure of trans-[Pt(CCC <sub>6</sub> H <sub>4</sub> NO <sub>2</sub> ) <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> ]. <i>Journal of Organometallic Chemistry</i> , <b>2005</b> , 690, 2376-2380	2.3	16
28	Agar-Coated Fiber Bragg Grating Sensor for Relative Humidity Measurements: Influence of Coating Thickness and Polymer Concentration. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 3335-3342	4	16
27	An outlook on the potential of Si nanocrystals as luminescent probes for bioimaging. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 193-204	2.5	14
26	Polymer-coated FBG humidity sensors for monitoring cultural heritage stone artworks. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2018</b> , 125, 325-329	4.6	12
25	Reactivity of the nitro-group of a $\pi$ -conjugated polymer upon the interface formation with chromium: a photoelectron spectroscopy investigation. <i>Applied Surface Science</i> , <b>1999</b> , 153, 10-18	6.7	12
24	Composite anodes based on nanotube titanium oxide from electro-oxidation of Ti metal substrate. <i>Journal of Power Sources</i> , <b>2014</b> , 247, 883-889	8.9	11
23	A Magnetic Resonance-Compatible Wearable Device Based on Functionalized Fiber Optic Sensor for Respiratory Monitoring. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 14418-14425	4	11
22	Diethynyl-Zn-porphyrin-based assemblies: optical and morphological studies of nanostructured thin films. <i>Materials Science and Engineering C</i> , <b>2003</b> , 23, 867-871	8.3	10
21	Polyethylenimine/N-doped titanium dioxide nanoparticle based inks for ink-jet printing applications. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 122, 3630-3636	2.9	8
20	Preparation of luminescent Si nanoparticles by tailoring the size, crystallinity and surface composition. <i>Journal of Nanoparticle Research</i> , <b>2010</b> , 12, 1845-1858	2.3	8
19	Surface control of optical properties in silicon nanocrystals produced by laser pyrolysis. <i>Applied Surface Science</i> , <b>2006</b> , 252, 4467-4471	6.7	8
18	Structure of a monolayer of Pd-diethynylbiphenyl deposited on chromium studied by total reflection EXAFS. <i>Sensors and Actuators B: Chemical</i> , <b>2004</b> , 100, 131-134	8.5	8
17	Does the exposure mode to ENPs influence their toxicity to aquatic species? A case study with TiO <sub>2</sub> nanoparticles and <i>Daphnia magna</i> . <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 5050-8	5.1	7
16	Strong luminescence emission enhancement by wet oxidation of pyrolytic silicon nanopowders. <i>Applied Surface Science</i> , <b>2007</b> , 253, 7879-7883	6.7	7
15	Humidity Sensing by Chitosan-Coated Fibre Bragg Gratings (FBG). <i>Sensors</i> , <b>2021</b> , 21,	3.8	7
14	Polymer-coated fiber optic probe for the monitoring of breathing pattern and respiratory rate. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2018</b> , 2018, 1616-1619	0.9	7
13	On the role of non-bridging oxygen centers in the red luminescence emission from silicon nanocrystals. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2011</b> , 8, 974-978		5
12	Two-photon excitation of luminescence in pyrolytic silicon nanocrystals. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2009</b> , 41, 951-954	3	5

11	Size and Surface Control of Optical Properties in Silicon Nanoparticles. <i>Advances in Science and Technology</i> , <b>2006</b> , 45, 2620-2626	0.1	4
10	Nanomaterials for Conservation of Artistic Stones: Performance and Removal Tests by Laser Cleaning. <i>Journal of Nano Research</i> , <b>2017</b> , 46, 225-233	1	3
9	Development of nanocomposites for conservation of artistic stones. <i>Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems</i> , <b>2014</b> , 228, 19-26		3
8	Properties of Nanocrystals-Formulated Aluminosilicate Bricks. <i>Nanomaterials and Nanotechnology</i> , <b>2015</b> , 5, 28	2.9	3
7	Thermal diffusivity enhancement in nanofluids based on pyrolytic titania nanopowders: importance of aggregate morphology. <i>Journal of Raman Spectroscopy</i> , <b>2014</b> , 45, 528-532	2.3	3
6	Dynamic light scattering and optical absorption study of poly(monosubstituted)acetylene polymers and copolymers. <i>Chemical Physics Letters</i> , <b>2003</b> , 370, 602-608	2.5	3
5	Energy Dispersive X-ray Diffraction (Edxd) Investigation Of Amorphous Poly(phenylacetylene) (Ppa). <i>Journal of Macromolecular Science - Physics</i> , <b>2003</b> , 42, 1061-1083	1.4	3
4	Fabrication and preliminary assessment of a fiber optic-based relative humidity sensor for application in mechanical ventilation <b>2017</b> ,		2
3	Study of defect-related light emission in oxidized silicon nanocrystals. <i>Physica Status Solidi (B): Basic Research</i> , <b>2013</b> , 250, 831-836	1.3	1
2	Feasibility assessment of an FBG-based soft sensor embedded into a single-use surgical mask for respiratory monitoring <b>2021</b> ,		1
1	Second-harmonic generation in PMMA films doped with organometallic complexes. <i>Radiation Effects and Defects in Solids</i> , <b>1999</b> , 150, 237-242	0.9	