

# Ronald F Ziolo

## List of Publications by Year in descending order

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52  
papers

2,292  
citations

236925

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docs citations

59  
times ranked

3022  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoparticle decoration with surfactants: Molecular interactions, assembly, and applications. <i>Surface Science Reports</i> , 2017, 72, 1-58.	7.2	419
2	Chemistry of coordinated azides. <i>Chemical Reviews</i> , 1973, 73, 247-254.	47.7	270
3	Magnetic and optical properties of $\hat{1}^3\text{Fe}_2\text{O}_3$ nanocrystals. <i>Journal of Applied Physics</i> , 1993, 73, 5109-5116.	2.5	192
4	In Situ Preparation of Nanocrystalline $\hat{1}^3\text{-Fe}_2\text{O}_3$ in Iron(II) Cross-Linked Alginate Gels. <i>Chemistry of Materials</i> , 1996, 8, 1594-1596.	6.7	170
5	Biodistribution of Different Sized Nanoparticles Assessed by Positron Emission Tomography: A General Strategy for Direct Activation of Metal Oxide Particles. <i>ACS Nano</i> , 2013, 7, 3498-3505.	14.6	126
6	Chemistry of azido complexes of Group Ib metals. <i>Inorganic Chemistry</i> , 1972, 11, 626-631.	4.0	63
7	Novel $\hat{1}^3\text{-Fe}_2\text{O}_3/\text{SiO}_2$ magnetic nanocomposites via sol-gel matrix-mediated synthesis. <i>Scripta Materialia</i> , 1997, 9, 185-188.	0.5	63
8	Crystal and molecular structure of $\mu$ -diazido-tetrakis(triphenylphosphine)dicopper(I). <i>Inorganic Chemistry</i> , 1971, 10, 1289-1296.	4.0	60
9	The synthesis and characterization of $\hat{1}^\pm$ - and $\hat{1}^2$ -1, 1-diiodo-3,4-benzo-1-telluracyclopentane, $\text{C}_8\text{H}_8\text{Tel}_2$ . <i>Journal of Organometallic Chemistry</i> , 1978, 146, 245-251.	1.8	53
10	Crystal and molecular structure of diazido- $\mu$ -1,2-bis(diphenylphosphino)ethane-bis(1,2-bis(diphenylphosphino)ethane)dicopper(I), $\text{Cu}_2(\text{N}_3)_2((\text{CH}_2\text{P}(\text{C}_6\text{H}_5)_2)_2)_3$ . <i>Inorganic Chemistry</i> , 1971, 10, 2776-2781.	4.0	52
11	Tracing nanoparticles in vivo: a new general synthesis of positron emitting metal oxide nanoparticles by proton beam activation. <i>Analyst</i> , The, 2012, 137, 4902.	3.5	46
12	Uptake, Biological Fate, and Toxicity of Metal Oxide Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 24-35.	2.3	43
13	Graphene oxide modification with graft polymers via nitroxide mediated radical polymerization. <i>Polymer</i> , 2014, 55, 2347-2355.	3.8	43
14	The solid state structure of triphenyltelluronium cyanate-chloroform(). <i>Journal of Organometallic Chemistry</i> , 1976, 120, 381-388.	1.8	41
15	Tailoring mechanical properties and electrical conductivity of flexible niobium carbide nanocomposite thin films. <i>RSC Advances</i> , 2014, 4, 61355-61362.	3.6	41
16	Synthesis and structural characterization of a new cyanomanganate(III) complex, heptapotassium $\mu$ -oxo-bis[pentacyanomanganate(III)]cyanide. <i>Journal of the American Chemical Society</i> , 1974, 96, 7910-7915.	13.7	39
17	Enhanced Antibacterial Activity of Melt Processed Poly(propylene) Ag and Cu Nanocomposites by Argon Plasma Treatment. <i>Plasma Processes and Polymers</i> , 2014, 11, 353-365.	3.0	37
18	Polyacrylic acid pore-filled microporous membranes and their use in membrane-mediated synthesis of nanocrystalline ferrihydrite. <i>Canadian Journal of Chemistry</i> , 1998, 76, 10-17.	1.1	36

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19	Colossal Reduction in Curie Temperature Due to Finite-Size Effects in CoFe <sub>2</sub> O <sub>4</sub> Nanoparticles. <i>Chemistry of Materials</i> , 2013, 25, 6-11.	6.7	36
20	High Electrocatalytic Response of a Mechanically Enhanced NbC Nanocomposite Electrode Toward Hydrogen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 30872-30879.	8.0	35
21	Threefold configuration tellurium(IV). Crystal structure of trimethyltelluronium tetraphenylborate. <i>Inorganic Chemistry</i> , 1979, 18, 2271-2274.	4.0	33
22	Organotellurium diiodides. The molecular structure of the $\hat{\pm}$ modification of I,I-Diiodo-3,4-benzo-I-telluracyclopentane, $\hat{\pm}\hat{\alpha}^{\sim}$ C <sub>8</sub> H <sub>8</sub> TeI <sub>2</sub> . <i>Journal of Organometallic Chemistry</i> , 1979, 178, 423-431.	1.8	30
23	Crystal and molecular structure of bromoazido-1,1,7,7-tetraethyldiethylenetriamincopper(II). <i>Inorganic Chemistry</i> , 1972, 11, 3044-3050.	4.0	29
24	Template-Controlled Synthesis of Superparamagnetic Goethite within Macroporous Polymeric Microspheres. <i>Langmuir</i> , 1995, 11, 3660-3666.	3.5	28
25	Solid containing rotationally free nanocrystalline $\hat{I}^3$ -Fe <sub>2</sub> O <sub>3</sub> : Material for a nanoscale magnetic compass?. <i>Journal of Applied Physics</i> , 2000, 87, 8008-8012.	2.5	28
26	Organotellurium compounds. <i>Journal of Organometallic Chemistry</i> , 1976, 116, 211-217.	1.8	27
27	The molecular characterization of an organotellurium $\hat{\alpha}$ anhydride $\hat{\alpha}$ ; bis(isothiocyanatodiphenyltellurium(IV)) oxide, ((C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> TeNCS) <sub>2</sub> O. <i>Journal of Organometallic Chemistry</i> , 1977, 140, 113-125.	1.8	25
28	Ultrasound-Assist Extrusion Methods for the Fabrication of Polymer Nanocomposites Based on Polypropylene/Multi-Wall Carbon Nanotubes. <i>Materials</i> , 2015, 8, 7900-7912.	2.9	24
29	Analysis of ferrofluids by capillary electrophoresis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 154, 295-301.	4.7	21
30	Crystal and molecular structure of "ruthenium black"-di- $\mu$ -amido-bis[tetraammineruthenium(III) chloride tetrahydrate. <i>Inorganic Chemistry</i> , 1973, 12, 2153-2156.	4.0	19
31	Production of <sup>18</sup> F-labeled Titanium Dioxide Nanoparticles by Proton Irradiation for Biodistribution and Biological Fate Studies in Rats. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 134-142.	2.3	18
32	Exfoliation, reduction, hybridization and polymerization mechanisms in one-step microwave-assist synthesis of nanocomposite nylon-6/graphene. <i>Polymer</i> , 2018, 146, 73-81.	3.8	17
33	X-Ray structure of triphenyltelluronium thiocyanate: an oligomeric organotelluronium salt. <i>Journal of the Chemical Society Chemical Communications</i> , 1976, , 501.	2.0	16
34	Molecular structure of $\mu$ -diazido-tetrakis(triphenylphosphine)dicopper(I). <i>Journal of the American Chemical Society</i> , 1970, 92, 738-739.	13.7	15
35	Covalent grafting of unfunctionalized pristine MWCNT with Nylon-6 by microwave assist in-situ polymerization. <i>Polymer</i> , 2019, 185, 121946.	3.8	15
36	Patterning of Self-Assembled Monolayers of Amphiphilic Multisegment Ligands on Nanoparticles and Design Parameters for Protein Interactions. <i>ACS Nano</i> , 2022, 16, 8766-8783.	14.6	11

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37	The crystal structure of triphenylselenonium isothiocyanate. <i>Journal of Organometallic Chemistry</i> , 1977, 135, 91-101.	1.8	10
38	Preparation of the dimethylphenyltelluronium and triphenyltelluronium ions by direct phenylation with NaBPh <sub>4</sub> . <i>Journal of Organometallic Chemistry</i> , 1980, 190, C64-C66.	1.8	8
39	Metamaterial Behavior of Polymer Nanocomposites Based on Polypropylene/Multi-Walled Carbon Nanotubes Fabricated by Means of Ultrasound-Assisted Extrusion. <i>Materials</i> , 2016, 9, 923.	2.9	7
40	Nanoscale Organization of a Platinum(II) Acetylide Cholesteric Liquid Crystal Molecular Glass for Photonics Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1910562.	14.9	7
41	Direct Synthesis of 2,5-Bis(dodecanoxy)phenyleneethynylene-Butadiynes by Sonogashira Coupling Reaction. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5341-5352.	2.4	6
42	Cholesteric liquid crystal glass platinum acetylides. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1698, 42.	0.1	6
43	The "Grafting" of Well-Defined Polystyrene on Graphene Oxide via Nitroxide-Mediated Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2099-2106.	2.2	5
44	Synthesis and photophysical properties of conjugated (dodecyl)benzoateethynylene macromolecules: staining of <i>Bacillus subtilis</i> and <i>Escherichia coli</i> rhizobacteria. <i>New Journal of Chemistry</i> , 2019, 43, 3332-3340.	2.8	5
45	Preparation and Characterization of Stable Aqueous Ferrofluids Using Low Molecular Weight Sulfonated Polystyrene. <i>Macromolecular Symposia</i> , 2009, 283-284, 307-310.	0.7	3
46	Supramolecular Order of 2,5-Bis(dodecanoxy)phenyleneethynylene-Butadiyne Oligomers in the Solid State. <i>Langmuir</i> , 2015, 31, 6909-6916.	3.5	3
47	Dual Emission of meso-Phenyleneethynylene-BODIPY Oligomers: Synthesis, Photophysics, and Theoretical Optoelectronic Study. <i>Chemistry - A European Journal</i> , 2021, 27, 2493-2505.	3.3	3
48	Reply to Comment on "Colossal Reduction in Curie Temperature Due to Finite-Size Effects in CoFe <sub>2</sub> O <sub>4</sub> Nanoparticles". <i>Chemistry of Materials</i> , 2013, 25, 2001-2003.	6.7	2
49	Study of the Impact of Polyanions on the Formation of Lipid Bilayers on Top of Polyelectrolyte Multilayers with Poly(allylamine hydrochloride) as the Top Layer. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1158-1167.	2.6	2
50	2D mesoporous atomic monolayers of phenyleneethynylene oligomers on pyrolytic graphite surfaces analyzed by scanning tunneling microscopy. <i>Applied Surface Science</i> , 2020, 514, 145916.	6.1	2
51	A combined optical and morphological study of 2,5-bis(dodecanoxy) phenyleneethynylene-butadiynes films for oLEDs. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 263, 114779.	3.5	1
52	Photophysical and Electrochemical Properties of Push-Pull Oligo(ferrocenyl-phenyleneethynylene)s: Supramolecular Orders in Molecular Films. <i>Langmuir</i> , 2022, 38, 4077-4089.	3.5	1