

# Claudia Sadun

## List of Publications by Year in descending order

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47  
papers

1,050  
citations

394421

19  
h-index

434195

31  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1421  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physicochemical characterization of ultrasmall superparamagnetic iron oxide particles (USPIO) for biomedical application as MRI contrast agents. <i>International Journal of Nanomedicine</i> , 2007, 2, 609-22.	6.7	100
2	Preparation and Structural Characterization of Polymer-Supported Methylrhenum Trioxide Systems as Efficient and Selective Catalysts for the Epoxidation of Olefins. <i>Journal of Organic Chemistry</i> , 2002, 67, 1323-1332.	3.2	81
3	Overview of the main methods used to combine proteins with nanosystems: absorption, bioconjugation, and encapsulation. <i>International Journal of Nanomedicine</i> , 2010, 5, 37-49.	6.7	65
4	Structural Characterization of Complexes between Iminodiacetate Blocked on Styrene- <i>o</i> -Divinylbenzene Matrix (Chelex 100 Resin) and Fe(III), Cr(III), and Zn(II) in Solid Phase by Energy-Dispersive X-ray Diffraction. <i>Journal of the American Chemical Society</i> , 2001, 123, 2552-2558.	13.7	62
5	Structural study by energy dispersive X-ray diffraction of amorphous mixed hydroxycarbonates containing Co, Cu, Zn, Al. <i>Journal of Materials Chemistry</i> , 1996, 6, 1709.	6.7	49
6	Palladium (II) and platinum (II) aqueous solutions. Evidence for the solvation of the [PdCl <sub>4</sub> ] <sup>2-</sup> and [PtCl <sub>4</sub> ] <sup>2-</sup> ions. <i>Journal of Molecular Liquids</i> , 1998, 75, 149-158.	4.9	42
7	Biologically friendly room temperature ionic liquids and nanomaterials for the development of innovative enzymatic biosensors: Part II. <i>Talanta</i> , 2019, 194, 26-31.	5.5	37
8	Ruthenium Phthalocyanine and Its Reaction with Dioxygen: Synthesis, Structure, Magnetism, and Electrical Conductivity Properties of the Cofacially Assembled Ruthenoxane Aggregate of Formula HO <sup>-</sup> [(Pc)RuO] <sup>n</sup> H (Average n = 11). <i>Inorganic Chemistry</i> , 1996, 35, 4643-4648.	4.0	34
9	Molecular aggregation phenomena in solution: an energy dispersive X-ray diffraction study of concentrated imidazole water solutions. <i>Chemical Physics Letters</i> , 1999, 301, 131-137.	2.6	32
10	Is a medium-range order pre-peak possible for ionic liquids without an aliphatic chain?. <i>RSC Advances</i> , 2015, 5, 50938-50941.	3.6	32
11	Conductivity and Structure of Poly(ethylene glycol) Complexes Using Energy Dispersive X-ray Diffraction. <i>Journal of Physical Chemistry B</i> , 1999, 103, 10348-10355.	2.6	30
12	Thermal behavior of trehalose dihydrate (T <sub>h</sub> ) and $\beta$ -anhydrous trehalose (T <sup><math>\beta</math></sup> ) by in-situ laboratory parallel-beam X-ray powder diffraction. <i>Structural Chemistry</i> , 2009, 20, 815-823.	2.0	30
13	Synthesis of optically active trifluoromethyl substituted diaziridines and oxaziridines. <i>Tetrahedron</i> , 2011, 67, 5375-5381.	1.9	28
14	Structural Characterization of Ultrasmall Superparamagnetic Iron Oxide (USPIO) Particles in Aqueous Suspension by Energy Dispersive X-ray Diffraction (EDXD). <i>Journal of the American Chemical Society</i> , 2006, 128, 10054-10059.	13.7	27
15	Ab initio SCF study on LiClO <sub>4</sub> and LiSO <sub>4</sub> molecules: Geometries and vibrational frequencies. <i>Chemical Physics</i> , 1991, 151, 179-186.	1.9	26
16	From Chemical to Structural Order of Electrodeposited Ni <sub>2</sub> P Alloy: An XPS and EDXD Study. <i>Chemistry of Materials</i> , 2004, 16, 4216-4225.	6.7	25
17	Study of cetyltrialkylammonium bromide and tribromide salts in the solid phase. <i>Journal of Materials Chemistry</i> , 1997, 7, 1331-1337.	6.7	22
18	Molecular dynamics simulations of polyphosphazenes: poly[bis(chloro)phosphazene][NPCl <sub>2</sub> ] <sub>n</sub> . <i>Journal of Inorganic and Organometallic Polymers</i> , 1996, 6, 237-253.	1.5	21

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19	X-ray photoelectron spectra of complexes with 1-(d-3-mercapto-2-methylpropionyl)-l-proline and Ni(II), Cd(II) and Cu(I): synthesis and LAXS study of Cu(I) derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2000, 56, 531-540.	3.9	20
20	Evaluation of new cholinium-amino acids based room temperature ionic liquids (RTILs) as immobilization matrix for electrochemical biosensor development: Proof-of-concept with <i>Trametes Versicolor</i> laccase. <i>Microchemical Journal</i> , 2018, 141, 346-352.	4.5	20
21	Further Structural Information on the Intra- and Interunit Contacts in Dimeric Ruthenium Phthalocyanine. <i>Inorganic Chemistry</i> , 1999, 38, 3027-3029.	4.0	18
22	Tautomerism in liquid 1,2,3-triazole: a combined energy-dispersive X-ray diffraction, molecular dynamics, and FTIR study. <i>Structural Chemistry</i> , 2013, 24, 933-943.	2.0	18
23	Structure and dynamics of propylammonium nitrate-acetonitrile mixtures: An intricate multi-scale system probed with experimental and theoretical techniques. <i>Journal of Chemical Physics</i> , 2018, 148, 134507.	3.0	18
24	Deep eutectic solvents (DES) as green extraction media for antioxidants electrochemical quantification in extra-virgin olive oils. <i>Talanta</i> , 2020, 215, 120880.	5.5	18
25	Dimeric Osmium Phthalocyanine Organized in Discrete Columnarly Stacked Assemblies: Structure, Magnetism, and Electrical Conductivity Properties. <i>Inorganic Chemistry</i> , 1998, 37, 4210-4213.	4.0	16
26	Geometries and vibrational frequencies of oxyacids and carboxylic acids. a study on structural and vibrational effects. <i>Computational and Theoretical Chemistry</i> , 1992, 257, 369-403.	1.5	15
27	A new amorphous trinuclear complex of Pt(II) with 1,3-thiazolidine-2-thione: [Pt <sub>3</sub> (ttz) <sub>8</sub> ]Cl <sub>6</sub> . <i>Inorganica Chimica Acta</i> , 1996, 248, 203-208.	2.4	15
28	DSC, FT-IR, and Energy Dispersive X-ray Diffraction Applied to the Study of the Glass Transition of Poly(p-phenylene sulfide). <i>Macromolecules</i> , 1997, 30, 7970-7976.	4.8	14
29	Supramolecular Organization of Toluidine Blue Dye in Solid Amorphous Phases. <i>Journal of Physical Chemistry B</i> , 2007, 111, 1994-1999.	2.6	13
30	SYNTHESIS AND LAXS INVESTIGATION OF SOME 1-(D-3-MERCAPTO-2-METHYLPROPIONYL)-L-PROLINE AMORPHOUS COMPLEXES WITH CO(II), Ni(II), Zn(II), Cd(II). <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1993, 79, 13-24.	1.6	11
31	X-ray scattering studies of palladium (II) and platinum (II) aqueous solutions. <i>Journal of Molecular Liquids</i> , 1996, 70, 55-70.	4.9	10
32	Structural Analysis of the Solid Amorphous Binuclear Complexes of Iron(III) and Aluminum(III) with Chromium(III)-DTPA Chelator Using Energy Dispersive X-ray Diffraction. <i>Journal of the American Chemical Society</i> , 2002, 124, 3036-3041.	13.7	10
33	Structure of solid-supported lipid-DNA-metal complexes investigated by energy dispersive X-ray diffraction. <i>Chemical Physics Letters</i> , 2004, 397, 138-143.	2.6	10
34	An Energy Dispersive X-ray Diffraction Study of Dioxouranium(VI) in 1M Lithium Citrate. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 2739-2746.	2.0	9
35	Hydration of diazoles in water solution: pyrazole. A theoretical and X-ray diffraction study. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 9431.	2.8	8
36	Dendrimer crown-ether tethered multi-wall carbon nanotubes support methyltrioxorhenium in the selective oxidation of olefins to epoxides. <i>RSC Advances</i> , 2020, 10, 17185-17194.	3.6	8

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37	SO <sub>2</sub> Cl <sub>2</sub> , SOCl <sub>2</sub> : energy dispersive X-ray diffraction, ab initio and molecular dynamics calculation. Computational Materials Science, 2001, 20, 407-415.	3.0	7
38	Overcoming the Inadequacy of X-ray Powder Diffraction in Reliable Hydrogen Location with the Aid of First Principles Calculations: Crystal Structure Determination of Orotaldehyde Monohydrate. Journal of Physical Chemistry A, 2009, 113, 353-359.	2.5	7
39	EDXRD-RDF characterization of maceral group concentrates for assessing coal reactivity. Fuel, 1997, 76, 887-892.	6.4	6
40	PECVD a-C:H films for STW resonant devices. Thin Solid Films, 2005, 482, 264-269.	1.8	6
41	Atomic pair distribution function (PDF) study of iron oxide nanoparticles in aqueous suspension. Journal of Materials Chemistry, 2009, 19, 6354.	6.7	6
42	A structural and kinetic study by energy dispersion X-ray diffraction: interaction between 1,4-dihydropyridines and biological membranes. Chemical Physics Letters, 1998, 286, 473-478.	2.6	5
43	Hydration kinetics of oriented lipid membranes investigated by energy dispersive x-ray diffraction. Applied Physics Letters, 2004, 85, 1630-1632.	3.3	5
44	The use of energy dispersive X-ray diffraction (EDXD) for the investigation of the structural and compositional features of old and modern papers. Microchemical Journal, 2008, 88, 107-112.	4.5	5
45	In situ formation of solid-supported lipid/DNA complexes. Chemical Physics Letters, 2005, 405, 252-257.	2.6	4
46	Synthesis and structure of amorphous phase Cr(II) hemiporphyrzine using energy dispersive X-ray diffraction. Journal of Porphyrins and Phthalocyanines, 2003, 07, 579-584.	0.8	3
47	Quasi-periodic primary structures of core proteins of human T-lymphotropic leukemia retroviruses. Journal of Molecular Evolution, 1987, 26, 269-273.	1.8	2