

Claudia Sadun

List of Publications by Year in descending order

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47
papers

1,050
citations

394421

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31
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docs citations

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times ranked

1421
citing authors

#	ARTICLE	IF	CITATIONS
1	Dendrimer crown-ether tethered multi-wall carbon nanotubes support methyltrioxorhenium in the selective oxidation of olefins to epoxides. RSC Advances, 2020, 10, 17185-17194.	3.6	8
2	Deep eutectic solvents (DES) as green extraction media for antioxidants electrochemical quantification in extra-virgin olive oils. Talanta, 2020, 215, 120880.	5.5	18
3	Biologically friendly room temperature ionic liquids and nanomaterials for the development of innovative enzymatic biosensors: Part II. Talanta, 2019, 194, 26-31.	5.5	37
4	Structure and dynamics of propylammonium nitrate-acetonitrile mixtures: An intricate multi-scale system probed with experimental and theoretical techniques. Journal of Chemical Physics, 2018, 148, 134507.	3.0	18
5	Evaluation of new cholinium-amino acids based room temperature ionic liquids (RTILs) as immobilization matrix for electrochemical biosensor development: Proof-of-concept with Trametes Versicolor laccase. Microchemical Journal, 2018, 141, 346-352.	4.5	20
6	Is a medium-range order pre-peak possible for ionic liquids without an aliphatic chain?. RSC Advances, 2015, 5, 50938-50941.	3.6	32
7	Tautomerism in liquid 1,2,3-triazole: a combined energy-dispersive X-ray diffraction, molecular dynamics, and FTIR study. Structural Chemistry, 2013, 24, 933-943.	2.0	18
8	Synthesis of optically active trifluoromethyl substituted diaziridines and oxaziridines. Tetrahedron, 2011, 67, 5375-5381.	1.9	28
9	Overview of the main methods used to combine proteins with nanosystems: absorption, bioconjugation, and encapsulation. International Journal of Nanomedicine, 2010, 5, 37-49.	6.7	65
10	Thermal behavior of trehalose dihydrate (T _h) and $\hat{1}^2$ -anhydrous trehalose (T $\hat{1}^2$) by in-situ laboratory parallel-beam X-ray powder diffraction. Structural Chemistry, 2009, 20, 815-823.	2.0	30
11	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
12	Hydration of diazoles in water solution: pyrazole. A theoretical and X-ray diffraction study. Physical Chemistry Chemical Physics, 2009, 11, 9431.	2.8	8
13	Atomic pair distribution function (PDF) study of iron oxide nanoparticles in aqueous suspension. Journal of Materials Chemistry, 2009, 19, 6354.	6.7	6
14	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
15	Supramolecular Organization of Toluidine Blue Dye in Solid Amorphous Phases. Journal of Physical Chemistry B, 2007, 111, 1994-1999.	2.6	13
16	Physicochemical characterization of ultrasmall superparamagnetic iron oxide particles (USPIO) for biomedical application as MRI contrast agents. International Journal of Nanomedicine, 2007, 2, 609-22.	6.7	100
17	Structural Characterization of Ultrasmall Superparamagnetic Iron Oxide (USPIO) Particles in Aqueous Suspension by Energy Dispersive X-ray Diffraction (EDXD). Journal of the American Chemical Society, 2006, 128, 10054-10059.	13.7	27
18	PECVD a-C:H films for STW resonant devices. Thin Solid Films, 2005, 482, 264-269.	1.8	6

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19	In situ formation of solid-supported lipid/DNA complexes. <i>Chemical Physics Letters</i> , 2005, 405, 252-257.	2.6	4
20	Hydration kinetics of oriented lipid membranes investigated by energy dispersive x-ray diffraction. <i>Applied Physics Letters</i> , 2004, 85, 1630-1632.	3.3	5
21	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
22	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
23	From Chemical to Structural Order of Electrodeposited Ni ₂₂ P Alloy: An XPS and EDXD Study. <i>Chemistry of Materials</i> , 2004, 16, 4216-4225.	6.7	25
24	Synthesis and structure of amorphous phase Cr(II) hemiporphyrine using energy dispersive X-ray diffraction. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003, 07, 579-584.	0.8	3
25	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
26	Preparation and Structural Characterization of Polymer-Supported Methylrhodium 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
27	SO ₂ Cl ₂ , SOCl ₂ : energy dispersive X-ray diffraction, ab initio and molecular dynamics calculation. <i>Computational Materials Science</i> , 2001, 20, 407-415.	3.0	7
28	Structural Characterization of Complexes between Iminodiacetate Blocked on Styrene-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
29	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
30	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
31	Further Structural Information on the Intra- and Interunit Contacts in Dimeric Ruthenium Phthalocyanine. <i>Inorganic Chemistry</i> , 1999, 38, 3027-3029.	4.0	18
32	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
33	A structural and kinetic study by energy dispersion X-ray diffraction: interaction between 1,4-dihydropyridines and biological membranes. <i>Chemical Physics Letters</i> , 1998, 286, 473-478.	2.6	5
34	Palladium (II) and platinum (II) aqueous solutions. Evidence for the solvation of the [PdCl ₄] ²⁻ and [PtCl ₄] ²⁻ ions. <i>Journal of Molecular Liquids</i> , 1998, 75, 149-158.	4.9	42
35	Dimeric Osmium Phthalocyanine Organized in Discrete Columnar Stacked Assemblies: Structure, Magnetism, and Electrical Conductivity Properties. <i>Inorganic Chemistry</i> , 1998, 37, 4210-4213.	4.0	16
36	Study of cetyltrialkylammonium bromide and tribromide salts in the solid phase. <i>Journal of Materials Chemistry</i> , 1997, 7, 1331-1337.	6.7	22

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37	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
38	EDXRD-RDF characterization of maceral group concentrates for assessing coal reactivity. <i>Fuel</i> , 1997, 76, 887-892.	6.4	6
39	Ruthenium Phthalocyanine and Its Reaction with Dioxygen: Synthesis, Structure, Magnetism, and Electrical Conductivity Properties of the Cofacially Assembled Ruthenoxane Aggregate of Formula $HO\hat{a}''[(Pc)RuO]n\hat{a}''H$ (Average $n = 11$). <i>Inorganic Chemistry</i> , 1996, 35, 4643-4648.	4.0	34
40	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
41	A new amorphous trinuclear complex of Pt(II) with 1,3-thiazolidine-2-thione: $[Pt_3(ttz)_8]Cl_6$. <i>Inorganica Chimica Acta</i> , 1996, 248, 203-208.	2.4	15
42	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
43	Molecular dynamics simulations of polyphosphazenes: poly[bis(chloro)phosphazene] $[NPCl_2]_n$. <i>Journal of Inorganic and Organometallic Polymers</i> , 1996, 6, 237-253.	1.5	21
44	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
45	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
46	Ab initio SCF study on $LiClO_4$ and $LiSO_4$ molecules: Geometries and vibrational frequencies. <i>Chemical Physics</i> , 1991, 151, 179-186.	1.9	26
47	Quasi-periodic primary structures of core proteins of human T-lymphotropic leukemia retroviruses. <i>Journal of Molecular Evolution</i> , 1987, 26, 269-273.	1.8	2