Enric Canadell

List of Publications by Citations

425 papers	9,506 citations	50 h-index	71 g-index
496 ext. papers	10,147 ext. citations	6.1 avg, IF	5.82 L-index

#	Paper	IF	Citations
425	Conceptual aspects of structure-property correlations and electronic instabilities, with applications to low-dimensional transition-metal oxides. *Chemical Reviews*, **1991**, 91, 965-1034	68.1	254
424	Analogies between the concepts of molecular chemistry and solid-state physics concerning structural instabilities. Electronic origin of the structural modulations in layered transition metal dichalcogenides. *Journal of the American Chemical Society*, **1992**, 114, 9587-9600	16.4	192
423	Hidden fermi surface nesting and charge density wave instability in low-dimensional metals. *Science* , **1991**, 252, 96-8	33.3	161
422	Electrical magnetochiral anisotropy in a bulk chiral molecular conductor. *Nature Communications*, **2014**, 5, 3757	17.4	132
421	Electronic structure, optical properties, and lattice dynamics in atomically thin indium selenide flakes. *Nano Research*, **2014**, 7, 1556-1568	10	132
420	On the band electronic structure of X [M (dmit)2]2 (X = TTF, (CH3)4N ; M = Ni, Pd) molecular conductors and superconductors. *Journal De Physique*, **1989**, 50, 2967-2981		132
419	Nanotexturing To Enhance Photoluminescent Response of Atomically Thin Indium Selenide with Highly Tunable Band Gap. *Nano Letters*, **2016**, 16, 3221-9	11.5	119
418	Chemical effects on the optical band-gap of heavily doped ZnO:MIII (M=Al,Ga,In): An investigation by means of photoelectron spectroscopy, optical measurements under pressure, and band structure calculations. *Physical Review B*, **2009**, 79,	3.3	106
417	Hydrogen-bond tuning of macroscopic transport properties from the neutral molecular component site along the sries of metallic organic-inorganic solvates (BEDT-TTF)4Re6Se5Cl9.[guest], [guest = DMF, THF, dioxane]. *Journal of the American Chemical Society*, **1993**, 115, 4101-4112	16.4	102
416	A Remarkable Family of Rhodium Acetonitrile Compounds Spanning Three Oxidation States and with Nuclearities Ranging from Mononuclear and Dinuclear to One-Dimensional Chains. *Journal of the American Chemical Society*, **1999**, 121, 8005-8016	16.4	100
415	Computing the Properties of Materials from First Principles with SIESTA. *Structure and Bonding*, **2004**, 103-170	0.9	96
414	A single-component molecular metal based on a thiazole dithiolate gold complex. *Journal of the American Chemical Society*, **2009**, 131, 16961-7	16.4	92
413	Electronic structure of transition-metal borides with the AlB2 structure. *Journal of the American Chemical Society*, **1986**, 108, 6561-6568	16.4	89
412	Chiral molecular metals: syntheses, structures, and properties of the AsF(6)(-) salts of racemic (+/-)-, (R)-, and (S)-tetrathiafulvalene-oxazoline derivatives. *Journal of the American Chemical Society*, **2005** , 127, 5748-9	16.4	86
411	Importance of short interlayer Te⋯Te contacts for the structural distortions and physical properties of CdI2-type layered transition-metal ditellurides. *Journal of Solid State Chemistry*, **1992**, 99, 189-199	3.3	86
410	Single crystalline commensurate metallic assemblages of pi-slabs and CdI2-type layers: synthesis and properties of beta-(EDT-TTF-I2)2[Pb5/6 square 1/6I2](3) and beta-(EDT-TTF-I2)2[Pb2/3+xAg1/3-2x square xI2]3, x = 0.05. *Journal of the American Chemical Society*, **2003**, 125, 3295-301	16.4	85
409	Hal?Hal interactions in a series of three isostructural salts of halogenated tetrathiafulvalenes. Contribution of the halogen atoms to the HOMO□HOMO overlap interactions. *Journal of Materials Chemistry*, **2001**, 11, 1570-1575		84

408	Single-component magnetic conductors based on Mo3S7 trinuclear clusters with outer dithiolate ligands. *Journal of the American Chemical Society*, **2004**, 126, 12076-83	16.4	83
407	Unprecedented Conversion of a Compound with Metal□Metal Bonding into a Solvated Molecular Wire. *Angewandte Chemie International Edition in English*, **1996**, 35, 2772-2774		82
406	Concerning the band structure of D(M(dmit)2)2 (D=TTF,Cs,NMe4); M=Ni,Pd) molecular conductors and superconductors: Role of the M(dmit)2 Homo and Lumo. *Solid State Communications*, **1990**, 75, 633-638	1.6	82
405	Crystalline arrays of pairs of molecular rotors: correlated motion, rotational barriers, and space-inversion symmetry breaking due to conformational mutations. *Journal of the American Chemical Society*, **2013**, 135, 9366-76	16.4	81
404	CaFeO2: a new type of layered structure with iron in a distorted square planar coordination. *Journal of the American Chemical Society*, **2009**, 131, 221-9	16.4	80
403	(EDT-TTF-CONH2)6[Re6Se8(CN)6], a metallic Kagome-type organic-inorganic hybrid compound: electronic instability, molecular motion, and charge localization. *Journal of the American Chemical Society*, **2005**, 127, 11785-97	16.4	78
402	Molecular Metals Based on BEDT-TTF Radical Cation Salts with Magnetic Metal Oxalates as Counterions: β-(BEDT-TTF)4A[M(C2O4)3]□DMF (A = NH4+, K+; M = CrIII, FeIII). *Advanced Functional Materials*, **2003**, 13, 403-411	15.6	77
401	Directing the Structures and Collective Electronic Properties of Organic Conductors: The Interplay of □Overlap Interactions and Hydrogen Bonds. *Chemistry - A European Journal*, **1999**, 5, 2971-2976	4.8	77
400	An Efficient, Redox-Enhanced Pair of Hydrogen-Bond Tweezers for Chloride Anion Recognition, a Key Synthon in the Construction of a Novel Type of Organic Metal based on the Secondary Amide-Functionalized Ethylenedithiotetrathiafulvalene, β□(EDT-TTF-CONHMe)2[Cl□H2O]. *Chemistry of Materials*, **2000**, 12, 1898-1904	9.6	71
399	Regioselectivity of radical attacks on substituted olefins. Application of the state-correlation-diagram (SCD) model. *Journal of the American Chemical Society*, **1990**, 112, 1446-1452	16.4	71
398	Chirality driven metallic versus semiconducting behavior in a complete series of radical cation salts based on dimethyl-ethylenedithio-tetrathiafulvalene (DM-EDT-TTF). *Journal of the American Chemical Society*, **2013**, 135, 17176-86	16.4	70
397	Theoretical study of the electrical behavior of one-dimensional metallophthalocyanines and related metallomacrocyclic compounds. *Inorganic Chemistry*, **1984**, 23, 573-579	5.1	70
396	Anisotropic chemical pressure effects in single-component molecular metals based on radical dithiolene and diselenolene gold complexes. *Journal of the American Chemical Society*, **2012**, 134, 17138-48	16.4	65
395	The [(DT-TTF)2M(mnt)2] Family of Radical Ion Salts: From a Spin Ladder to Delocalised Conduction Electrons That Interact with Localised Magnetic Moments. *Chemistry - A European Journal*, **1999**, 5, 2025-2039	4.8	65
394	Experimental and theoretical study of band structure of InSe and In1□GaxSe (x. *Physical Review B*, **2001**, 63,	3.3	64
393	Structural and electronic properties of SrFeO2 from first principles. *Physical Review B*, **2008**, 78,	3.3	63
392	Theoretical analysis of bonding in monomeric and polymeric C5H5M compounds. *Organometallics*, **1984**, 3, 759-764	3.8	63
391	Extended polymetallic sandwich compounds. *Organometallics*, **1985**, 4, 805-815	3.8	63

390	Essential role of anions in the charge ordering transition of α-(BEDT-TTF)2I3. *Physical Review B*, **2012**, 85,	3.3	62
389	Electronic structure of transition metal complex-based molecular metals and superconductors. *Coordination Chemistry Reviews*, **1999**, 185-186, 629-651	23.2	60
388	A chiral molecular conductor: synthesis, structure, and physical properties of [ET]3[Sb2(L-tart)2].CH3CN (ET = bis(ethylendithio)tetrathiafulvalene; L-tart = (2R,3R)-(+)-tartrate). *Inorganic Chemistry*, **2004**, 43, 8072-7	5.1	59
387	Singular crystalline beta'-layered topologies directed by ribbons of self-complementary amide...amide ring motifs in [EDT-TTF-(CONH(2))(2)](2)X (X = HSO(4)(-), ClO(4)(-), ReO(4)(-), AsF(6)(-)): coupled activation of ribbon curvature, electron interactions, and magnetic susceptibility. *Journal of the American Chemical Society*, **2003**, 125, 11583-90	16.4	59
386	Band electronic structure study of the electronic instability in the Magneli phase molybdenum oxide [Mo4O11]. *Inorganic Chemistry*, **1989**, 28, 1466-1472	5.1	59
385	O?S vs. N?S intramolecular nonbonded interactions in neutral and radical cation salts of TTF-oxazoline derivatives: synthesis, theoretical investigations, crystalline structures, and physical properties. *New Journal of Chemistry*, **2007**, 31, 1468	3.6	56
384	First-principles study of the neutral molecular metal Ni(tmdt)2. *Physical Review B*, **2002**, 65,	3.3	55
383	Crystal symmetry and pressure effects on the valence band structure of ε-InSe and ε-GaSe: Transport measurements and electronic structure calculations. *Physical Review B*, **2005**, 71,	3.3	54
382	A construction principle of the κ-phase based on the efficient (O?H)donor □anion structural functionality: The examples of κ-(EDT□TTF(CH2OH))2X (X = ClO and ReO). *Advanced Materials*, **1992**, 4, 579-581	24	54
381	Band electronic structure of the lithium molybdenum purple bronze Li0.9Mo6O17. *Journal of the American Chemical Society*, **1988**, 110, 358-363	16.4	54
380	Symmetry control of the coloring problem: the electronic structure of MB2C2 (M = calcium, lanthanum, ...). *Journal of the American Chemical Society*, **1986**, 108, 3971-3976	16.4	54
379	Fluorine Segregation Controls the Solid-State Organization and Electronic Properties of Ni and Au Dithiolene Complexes: Stabilization of a Conducting Single-Component Gold Dithiolene Complex. *Advanced Functional Materials*, **2002**, 12, 693-698	15.6	53
378	A Genuine Quarter-Filled Band Mott Insulator, (EDT-TTF-CONMe2)2AsF6: Where the Chemistry and Physics of Weak Intermolecular Interactions Act in Unison. *Advanced Materials*, **2003**, 15, 1251-1254	24	51
377	Complete series of chiral paramagnetic molecular conductors based on tetramethyl-bis(ethylenedithio)-tetrathiafulvalene (TM-BEDT-TTF) and Chloranilate-bridged heterobimetallic honeycomb layers. *Inorganic Chemistry*, **2015**, 54, 3643-53	5.1	50
376	Characterization of the unoccupied and partially occupied states of TTF-TCNQ by XANES and first-principles calculations. *Physical Review B*, **2003**, 68,	3.3	50
375	Nature of holes, oxidation states, and hypervalency in covellite (CuS). *Inorganic Chemistry*, **2014**, 53, 12402-6	5.1	49
374	Design and evaluation of a crystalline hybrid of molecular conductors and molecular rotors. *Journal of the American Chemical Society*, **2012**, 134, 7880-91	16.4	48
373	An Organic Spin-Ladder Molecular Material. *Angewandte Chemie International Edition in English*, **1997**, 36, 2324-2326		48

372	Comparison of the electronic structures of layered transition-metal trichalcogenides thallium triselenide, thallium trisulfide and niobium triselenide. *Inorganic Chemistry*, **1990**, 29, 1401-1407	5.1	47
371	Charge-density-wave instabilities expected in monophosphate tungsten bronzes. *Physical Review B*, **1991**, 43, 1894-1902	3.3	47
370	Structural isomerism in crystals of redox-active secondary ortho-diamides: the role of competing intra- and intermolecular hydrogen bonds in directing crystalline topologies. *Chemistry - A European Journal*, **2004**, 10, 4498-511	4.8	45
369	Fused and linked deltahedral clusters in the chemistry of the Group 13 elements. *Journal of the American Chemical Society*, **1990**, 112, 7207-7217	16.4	45
368	Charge ordering, symmetry and electronic structure issues and Wigner crystal structure of the quarter-filled band Mott insulators and high pressure metals (EDT-TTF-CONMe2)2X, X = Br and AsF6. *Journal of Materials Chemistry*, **2009**, 19, 6980		44
367	Order versus disorder in chiral tetrathiafulvalene-oxazoline radical-cation salts: structural and theoretical investigations and physical properties. *Chemistry - A European Journal*, **2010**, 16, 528-37	4.8	44
366	Superstructures of donor packing arrangements in a series of molecular charge transfer salts. *Chemical Communications*, **2004**, 18-9	5.8	44
365	Antiperovskite Structure with Ternary Tetrathiafulvalenium Salts: Construction, Distortion, and Antiferromagnetic Ordering. *Angewandte Chemie International Edition in English*, **1991**, 30, 1498-1500		43
364	Electronic instabilities of the quasi-two-dimensional monophosphate tungsten bronze P4W12O44. *Physical Review B*, **1989**, 39, 12969-12972	3.3	43
363	Band electronic structure of the purple potassium molybdenum bronze K0.9Mo6O17. *Journal of the American Chemical Society*, **1987**, 109, 6308-6313	16.4	43
362	Global instability index optimizations for the localization of mobile protons. *Solid State Ionics*, **2004**, 168, 281-290	3.3	42
361	Solution Chemistry of Chalcohalide Hexanuclear Rhenium Cluster Monoanions: Substitution Reactions and Structural and LSIMS Characterization of the Heterosubstituted Cluster Dianions, (n-Bu4N)2[Re6Q5ECl8] (Q = S, E = O, S, Se; Q = Se, E = S, Se, Te). *Inorganic Chemistry*, **1995**, 34, 5307-5313	5.1	42
360	Superconductivity and magnetic field induced spin density waves in the (TMTTF)2X family. *Journal De Physique, I*, **1994**, 4, 1539-1549		42
359	Concerning the Structure of Hydrogen Molybdenum Bronze Phase III. A Combined Theoretical−Experimental Study. *Chemistry of Materials*, **2005**, 17, 5957-5969	9.6	41
358	Electronic origin of the thermochromic effect in 2,2',5,5'-tetramethylbistibole. *Journal of the American Chemical Society*, **1982**, 104, 3876-3879	16.4	41
357	Crystal Structure of the Host Lattices of the Superconductors LixMNX (M = Zr, Hf; X = Cl, Br). *Chemistry of Materials*, **1999**, 11, 203-206	9.6	40
356	Structural and electronic properties of Cs(Pd(dmit)2)2. *Journal of Physics Condensed Matter*, **1991**, 3, 933-954	1.8	40
355	Conducting Anilate-Based Mixed-Valence Fe(II)Fe(III) Coordination Polymer: Small-Polaron Hopping Model for Oxalate-Type Fe(II)Fe(III) 2D Networks. *Journal of the American Chemical Society*, **2018**, 140, 12611-12621	16.4	40

354	On the electronic structure of MPS3 phases. *Inorganic Chemistry*, **1987**, 26, 963-965	5.1	39
353	Hybrid molecular materials based upon organic pi-electron donors and metal complexes. Radical salts of bis(ethylenethia)tetrathiafulvalene (BET-TTF) with the octahedral anions hexacyanoferrate(III) and nitroprusside. The first kappa phase in the BET-TTF family. *Inorganic*	5.1	38
352	Synthesis, Crystal Structure, Electrical Properties and Electronic Band Structure of (NHyMe4-y)x[M(dmit)2] Complexes (M = Ni, Pd, Pt; dmit2- = 2-Thioxo-1,3-dithiole-4,5-dithiolato). *Inorganic Chemistry*, **1994**, 33, 3401-3414	5.1	38
351	Role of p-d and s-d interactions in the electronic structure and band gap of Zn1−xMxO (M=Cr, Mn, Fe, Co, Ni, and Cu): Photoelectron and optical spectroscopy and first-principles band structure calculations. *Physical Review B*, **2012**, 86,	3.3	37
350	Bis- and tetrakis(1,4-dithiafulven-6-yl)-substituted tetrathiafulvalenes and dihydrotetrathiafulvalenes: a novel class of planar donor molecules with multiple redox functionalities and the demonstration of a novel type of two-dimensional association in the solid state. *Chemistry of Materials*, **1993**, 5, 1196-1198	9.6	37
349	Localization versus Delocalization in Chiral Single Component Conductors of Gold Bis(dithiolene) Complexes. *Journal of the American Chemical Society*, **2016**, 138, 6838-51	16.4	37
348	Structural diversity and physical properties of paramagnetic molecular conductors based on bis(ethylenedithio)tetrathiafulvalene (BEDT-TTF) and the tris(chloranilato)ferrate(III) complex. *Inorganic Chemistry*, **2014**, 53, 7028-39	5.1	36
347	First-principles study of the blue bronze K0.3MoO3. *Physical Review B*, **2002**, 65,	3.3	36
346	Metal Complexes of Dithiolate Ligands: 5,6-Dihydro-1,4-dithiin-2,3-dithiolato (dddt(2-)), 5,7-Dihydro-1,4,6-trithiin-2,3-dithiolato (dtdt(2-)), and 2-Thioxo-1,3-dithiole-4,5-dithiolato (dmit(2-)). Synthesis, Electrochemical Studies, Crystal and Electronic Structures, and Conducting Properties. *Inorganic Chemistry*, **1996**, 35, 3856-3873	5.1	36
345	STRUCTURAL AND ELECTRONIC ORIGIN OF THE HIDDEN NESTING AND CHARGE DENSITY WAVES IN TRANSITION METAL OXIDES AND BRONZES. *International Journal of Modern Physics B*, **1993**, 07, 4005-4043	1.1	36
344	Bond cleavage of the solvated methyl chloride anion: a primary electrochemical event. *Journal of the American Chemical Society*, **1980**, 102, 855-857	16.4	36
343	Stable Metallic State of a Neutral-Radical Single-Component Conductor at Ambient Pressure. *Journal of the American Chemical Society*, **2018**, 140, 6998-7004	16.4	35
342	A neutral zwitterionic molecular solid. *Chemistry - A European Journal*, **2010**, 16, 14051-9	4.8	35
341	Antifluorite-type lithium chromium oxide nitrides: synthesis, structure, order, and electrochemical properties. *Inorganic Chemistry*, **2004**, 43, 7050-60	5.1	35
340	Activation of C--H... Halogen (Cl, Br, and I) hydrogen bonds at the organic/inorganic interface in fluorinated tetrathiafulvalenes salts. *Chemistry - A European Journal*, **2001**, 7, 2635-43	4.8	34
339	Angle-resolved photoemission study and first-principles calculation of the electronic structure of GaTe. *Physical Review B*, **2002**, 65,	3.3	34
338	Band electronic structure study of the semimetallic properties and the anisotropic resistivity hump in zirconium tritelluride. *Journal of the American Chemical Society*, **1988**, 110, 104-108	16.4	34
337	Chromium boride (CrB4) and manganese boride (MnB4): electronic structures of two unusual systems containing the tetragonal carbon net. *Inorganic Chemistry*, **1988**, 27, 4437-4444	5.1	34

336	Electronic structure of 2 H -NbSe 2 single-layers in the CDW state. *2D Materials*, **2016**, 3, 035028	5.9	33
335	Donor□nion interactions in quarter-filled low-dimensional organic conductors. *Materials Horizons*, **2018**, 5, 590-640	14.4	33
334	The 8 : 1 : 1 ternary hybrid framework in the system [EDT-TTF +][1,4-bis(iodoethynyl)benzene][Re6Se8(CN)6]4-: dual noncovalent expression of the octahedral halogen-bond hexa-acceptor nanonode. *Chemical Communications*, **2008**, 2194-6	5.8	33
333	Quasiparticle spectra of 2H□NbSe2: Two-band superconductivity and the role of tunneling selectivity. *Physical Review B*, **2015**, 92,	3.3	32
332	High-pressure, high-temperature phase diagram of InSe: A comprehensive study of the electronic and structural properties of the monoclinic phase of InSe under high pressure. *Physical Review B*, **2006**, 73,	3.3	32
331	(EDT-TTF-I2)2PbI3□H2O: an ambient pressure metal with a □ donor slab topology. *Journal of Materials Chemistry*, **2004**, 14, 135-137		32
330	Donor Slab Robustness and Band Filling Variations in BDT□TTP-based Molecular Conductors: □(BDT□TTP)6[Re6S6Cl8]□(CH2Cl□CHCl2)2 and □(BDT□TTP)6 [Mo6Cl14]□(CH2Cl□CHCl2)2. *Advanced Materials*, **2000**, 12, 436-439	24	32
329	Origin of metal clustering in transition-metal chalcogenide layers MX2 (M = Nb, Ta, Mo, Re; X = S, Se). *Journal of the American Chemical Society*, **1989**, 111, 3778-3782	16.4	32
328	Role of large but defective deltahedra in the structural chemistry of very complex solid borides and gallides. *Inorganic Chemistry*, **1991**, 30, 1991-1998	5.1	32
327	Metallic versus nonmetallic properties of ternary chalcogenides: tantalum metal selenide, Ta2MSe7 (M = nickel, platinum), and tantalum nickel chalcogenide, Ta2NiX5 (X = sulfide, selenide). *Inorganic Chemistry*, **1987**, 26, 3974-3976	5.1	32
326	High-pressure electronic structure and phase transitions in monoclinic InSe: X-ray diffraction, Raman spectroscopy, and density functional theory. *Physical Review B*, **2008**, 77,	3.3	31
325	Intramolecular mixed-valence state through silicon or germanium double bridges in rigid bis(tetrathiafulvalenes). *Chemistry - A European Journal*, **2007**, 13, 5394-400	4.8	31
324	A chirality-induced alpha phase and a novel molecular magnetic metal in the BEDT-TTF/tris(croconate)ferrate(III) hybrid molecular system. *Chemical Communications*, **2006**, 4931-3	5.8	31
323	Reversible Control of Crystalline Rotors by Squeezing Their Hydrogen Bond Cloud Across a Halogen Bond-Mediated Phase Transition. *Crystal Growth and Design*, **2014**, 14, 3375-3383	3.5	30
322	Magnetic Properties and New Structural Classification of Molybdenum Phosphates Containing Mo(V). *Chemistry of Materials*, **1997**, 9, 68-75	9.6	30
321	New BEDT-TTF/[Fe(C5O5)3]3- hybrid system: synthesis, crystal structure, and physical properties of a chirality-induced alpha phase and a novel magnetic molecular metal. *Inorganic Chemistry*, **2007**, 46, 4446-57	5.1	30
320	Nature of the charge density wave images of layered tantalum dichalcogenides 1T-TaX2 (X = sulfur, selenium) in scanning tunneling and atomic force microscopy. *Journal of the American Chemical Society*, **1993**, 115, 3760-3765	16.4	30
319	Combination frequencies of magnetic oscillations in □(BEDT□TTF)4(NH4)[Fe(C2O4)3]?DMF. *Physical Review B*, **2004**, 69,	3.3	29

318	Synthesis, characterization, and electronic structure of Ba5In4Bi5: an acentric and one-electron deficient phase. *Chemistry - A European Journal*, **2004**, 10, 3615-21	4.8	29
317	Hybrid molecular materials based upon the photochromic nitroprusside complex, [Fe(CN)5NO]2-, and organic pi-electron donors. Synthesis, structure, and properties of the radical salt (TTF)7[Fe(CN)5NO]2 (TTF = tetrathiafulvalene). *Inorganic Chemistry*, **2000**, 39, 5394-7	5.1	29
316	Electronic Structure of the $mathsf{alpha}$-(BEDT-TTF)$mathsf{_2}$MHg(XCN)$mathsf{_4}$ (M = Tl, K, NH$mathsf{_4}$; X = S, Se) and Related Phases. Synthesis and Crystal Structure of the New Stable Organic Metal $alpha$-(BEDT-TTF)$mathsf{_2}$TlHg(Se$mathsf{_{rm 1-x}}$S$mathsf{_{rm x}}$)$CN)$mathsf{_4}$ (x = 0.125). *Journal De Physique, I*, **1996**, 6, 1527-1553		29
315	Me3TTFPO3H2, a Redox Phosphonic Acid and Its Monoanilinium Salt [PhNH+3][Me3TTFPO(OH)O-], the Electrocrystallized Neutral (Zwitterionic) Radical [Me3TTFPO(OH)O-], and Their Associated Lamellar Constructions in the Solid State. *Chemistry - A European Journal*, **1996**, 2, 1275-1282	4.8	29
314	Enantiopure Conducting Salts of Dimethylbis(ethylenedithio)tetrathiafulvalene (DM-BEDT-TTF) with the Hexachlororhenate(IV) Anion. *European Journal of Inorganic Chemistry*, **2014**, 2014, 3855-3862	2.3	28
313	Band structure of indium selenide investigated by intrinsic photoluminescence under high pressure. *Physical Review B*, **2004**, 70,	3.3	28
312	Coexistence of two donor packing motifs in the stable molecular metal pseudo-(BEDT-TTF)4(H3O)[Fe(C2O4)3]C6H4Br2. *CrystEngComm*, **2011**, 13, 2430	3.3	27
311	Step-by-Step Construction of the Electronic Structure of Molecular Conductors: Conceptual Aspects and Applications. *Advanced Functional Materials*, **2004**, 14, 201-214	15.6	27
310	An in-depth correlation of perturbation of the organic-inorganic interface topology, electronic structure, and transport properties within beta''-(BEDT-TTF)(4) x (guest)(n) x [Re(6)Q(6)Cl(8)], (Q=S, Se). *Chemistry - A European Journal*, **2002**, 8, 3884-900	4.8	27
309	Organic–inorganic molecular aggregates and their association within long-range ordered crystalline assemblies: relevance to the template effect in solid-state chemistry. *Journal of Materials Chemistry* , **1995**, 5, 1707-1718		27
308	Some general conditions for hidden Fermi surface nesting. *Inorganic Chemistry*, **1992**, 31, 4169-4173	5.1	27
307	Anion size control of the packing in the metallic versus semiconducting chiral radical cation salts (DM-EDT-TTF)XF (X = P, As, Sb). *Chemical Communications*, **2016**, 52, 12438-12441	5.8	27
306	Multistability in a family of DT–TTF organic radical based compounds (DT–TTF)4[M(L)2]3 (M = Au, Cu; L = pds, pdt, bdt). *Journal of Materials Chemistry*, **2005**, 15, 3187		26
305	Concerning the Resistivity Anomaly in the Layered Pnictide Oxide Na2Ti2Sb2O. *Inorganic Chemistry*, **1998**, 37, 5807-5810	5.1	26
304	KNiPS4: A New Thiophosphate with One- and Two-Dimensional Structural Arrangements. *Journal of Solid State Chemistry*, **1995**, 116, 107-112	3.3	26
303	Novel redox properties of the paramagnetic hexanuclear niobium cluster halide Nb6Cl183- and the preparation, structures, and conducting and magnetic properties of its one-dimensional mixed-valence tetramethyltetra(selena and thia)fulvalenium salts: [TMTSF and TMTTF]3[Nb6Cl18].cntdot.(CH2Cl2)0.5. *Chemistry of Materials*, **1990**, 2, 123-132	9.6	26
302	Electronic structure and anion ordering in (TMTSF)2ClO4 and (TMTSF)2NO3: A first-principles study. *Physical Review B*, **2014**, 89,	3.3	25
301	The first molecular superconductor based on BEDT-TTF radical cation salt with paramagnetic tris(oxalato)ruthenate anion. *CrystEngComm*, **2013**, 15, 7048	3.3	25

300	Synthesis, crystal structure, and physical properties of (BEDT-TTF)[Ni(tdas)2] (BEDT-TTF = bis(ethylenedithio)tetrathiafulvalene; tdas = 1,2,5-thiadiazole-3,4-dithiolate): first monomeric [Ni(tdas)2]- monoanion. *Inorganic Chemistry*, **2004**, 43, 2049-56	5.1	25
299	A new stable organic metal based on the BEDO-TTF donor and the doubly charged nitroprusside anion, (BEDO-TTF)4[Fe(CN)5NO]. *Journal of Materials Chemistry*, **2000**, 10, 2017-2023		25
298	Band structure and Fermi surface of the (BEDT-TTF)4M[Fe(CN)5NO]2 (M=Na, K, Rb,) molecular metals containing the photochromic nitroprusside anion. *Solid State Communications*, **1999**, 111, 329-333	1.6	25
297	Nonelectronic origin of superlattice modulations and resistivity anomalies in ternary copper sulfides. *Solid State Communications*, **1992**, 81, 895-899	1.6	25
296	Electronic structure and properties of anionic mixed valence and layered CrTe3: The question of extended tellurium bonding in transition metal tellurides. *Journal of Solid State Chemistry*, **1992**, 98, 59-70	2.3	25
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List of Publications

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