

# Marie-Liesse Doublet

## List of Publications by Year in Descending Order

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**Version:** 2024-04-24

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110  
papers

7,364  
citations

37  
h-index

85  
g-index

122  
ext. papers

8,393  
ext. citations

11.1  
avg, IF

6.01  
L-index

#	Paper	IF	Citations
110	Advancement of the Homogeneous Background Method for the Computational Simulation of Electrochemical Interfaces.. <i>Journal of Chemical Theory and Computation</i> , <b>2022</b> ,	6.4	1
109	Chemical Design of IrS <sub>2</sub> Polymorphs to Understand the Charge/Discharge Asymmetry in Anionic Redox Systems. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 325-336	9.6	
108	Elucidation of Active Oxygen Sites upon Delithiation of Li <sub>3</sub> IrO <sub>4</sub> . <i>ACS Energy Letters</i> , <b>2021</b> , 6, 140-147	20.1	5
107	Unlocking anionic redox activity in O <sub>3</sub> -type sodium 3d layered oxides via Li substitution. <i>Nature Materials</i> , <b>2021</b> , 20, 353-361	27	47
106	Investigation of alkali and alkaline earth solvation structures in tetraglyme solvent. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 26120-26129	3.6	1
105	Activation of anionic redox in d transition metal chalcogenides by anion doping. <i>Nature Communications</i> , <b>2021</b> , 12, 5485	17.4	7
104	Stacking Versatility in Alkali-Mixed Honeycomb Layered NaKNiTeO. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 14310-14317	5.1	1
103	Correlating ligand-to-metal charge transfer with voltage hysteresis in a Li-rich rock-salt compound exhibiting anionic redox. <i>Nature Chemistry</i> , <b>2021</b> , 13, 1070-1080	17.6	15
102	Unexpected band gap increase in the Fe <sub>2</sub> VAl Heusler compound. <i>Materials Today Physics</i> , <b>2020</b> , 13, 100203	2.3	10
101	Electrolyte Reactivity in the Double Layer in Mg Batteries: An Interface Potential-Dependent DFT Study. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 5146-5153	16.4	33
100	New p-type Al-substituted SrSnO perovskites for TCO applications?. <i>Chemical Communications</i> , <b>2020</b> , 56, 2566-2569	5.8	4
99	The Structural Stability of P <sub>2</sub> -Layered Na-Based Electrodes during Anionic Redox. <i>Joule</i> , <b>2020</b> , 4, 420-434	17.8	47
98	Unveiling Pseudocapacitive Charge Storage Behavior in FeWO <sub>4</sub> Electrode Material by Operando X-Ray Absorption Spectroscopy. <i>Small</i> , <b>2020</b> , 16, e2002855	11	10
97	Thermodynamic origin of dendrite growth in metal anode batteries. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 5186-5197	35.4	35
96	Charge Transfer Band Gap as an Indicator of Hysteresis in Li-Disordered Rock Salt Cathodes for Li-Ion Batteries. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 11452-11464	16.4	51
95	Unified picture of anionic redox in Li/Na-ion batteries. <i>Nature Materials</i> , <b>2019</b> , 18, 496-502	27	206
94	Zn <sub>0.35</sub> Co <sub>0.65</sub> O: A Stable and Highly Active Oxygen Evolution Catalyst Formed by Zinc Leaching and Tetrahedral Coordinated Cobalt in Wurtzite Structure. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900328	21.8	27

93	A Chemical Approach to Raise Cell Voltage and Suppress Phase Transition in O3 Sodium Layered Oxide Electrodes. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702599	21.8	77
92	Electrochemical Mg alloying properties along the Sb <sub>1-x</sub> Bi <sub>x</sub> solid solution. <i>Electrochimica Acta</i> , <b>2018</b> , 259, 276-283	6.7	19
91	The Electrochemical Sodiation of Sb Investigated by Operando X-ray Absorption and 121Sb Mössbauer Spectroscopy: What Does One Really Learn?. <i>Batteries</i> , <b>2018</b> , 4, 25	5.7	18
90	Electrostatic Interactions versus Second Order Jahn-Teller Distortion as the Source of Structural Diversity in Li <sub>3</sub> MO <sub>4</sub> Compounds (M = Ru, Nb, Sb and Ta). <i>Chemistry of Materials</i> , <b>2018</b> , 30, 392-402	9.6	7
89	Atomic Structure of 2 nm Size Metallic Cobalt Prepared by Electrochemical Conversion: An in Situ Pair Distribution Function Study. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 23861-23866	3.8	9
88	Competition between Metal Dissolution and Gas Release in Li-Rich Li <sub>3</sub> Ru <sub>1-x</sub> Ir <sub>x</sub> O <sub>4</sub> Model Compounds Showing Anionic Redox. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 7682-7690	9.6	17
87	Reversible Sodium and Lithium Insertion in Iron Fluoride Perovskites. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1802057	15.6	14
86	Chemical Activity of the Peroxide/Oxide Redox Couple: Case Study of BaRuO in Aqueous and Organic Solvents. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 3882-3893	9.6	6
85	Evidence for anionic redox activity in a tridimensional-ordered Li-rich positive electrode Li <sub>1-x</sub> IrO <sub>2</sub> . <i>Nature Materials</i> , <b>2017</b> , 16, 580-586	27	234
84	Requirements for reversible extra-capacity in Li-rich layered oxides for Li-ion batteries. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 266-274	35.4	192
83	Activation of surface oxygen sites on an iridium-based model catalyst for the oxygen evolution reaction. <i>Nature Energy</i> , <b>2017</b> , 2,	62.3	274
82	The electrochemical activity of the nitrosyl ligand in copper nitroprusside: a new possible redox mechanism for lithium battery electrode materials?. <i>Electrochimica Acta</i> , <b>2017</b> , 257, 364-371	6.7	11
81	Approaching the limits of cationic and anionic electrochemical activity with the Li-rich layered rocksalt Li <sub>3</sub> IrO <sub>4</sub> . <i>Nature Energy</i> , <b>2017</b> , 2, 954-962	62.3	108
80	A <sub>2</sub> VO(SO <sub>4</sub> ) <sub>2</sub> (A = Li, Na) as Electrodes for Li-Ion and Na-Ion Batteries. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 6637-6643	9.6	18
79	Strong Oxygen Participation in the Redox Governing the Structural and Electrochemical Properties of Na-Rich Layered Oxide Na <sub>2</sub> IrO <sub>3</sub> . <i>Chemistry of Materials</i> , <b>2016</b> , 28, 8278-8288	9.6	98
78	A Fully Ordered Triplite, LiCuSO <sub>4</sub> F. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 1607-1610	9.6	5
77	The intriguing question of anionic redox in high-energy density cathodes for Li-ion batteries. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 984-991	35.4	346
76	Atomistic Modeling of Electrode Materials for Li-Ion Batteries: From Bulk to Interfaces. <i>Green Energy and Technology</i> , <b>2016</b> , 1-36	0.6	2

75	Origin of the Voltage Hysteresis of MgH <sub>2</sub> Electrodes in Lithium Batteries. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 17044-17052	3.8	35
74	Reversible Li-Intercalation through Oxygen Reactivity in Li-Rich Li-Fe-Te Oxide Materials. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, A1341-A1351	3.9	36
73	Li <sub>2</sub> Cu <sub>2</sub> O(SO <sub>4</sub> ) <sub>2</sub> : a Possible Electrode for Sustainable Li-Based Batteries Showing a 4.7 V Redox Activity vs Li <sup>+</sup> /Li <sub>0</sub> . <i>Chemistry of Materials</i> , <b>2015</b> , 27, 3077-3087	9.6	25
72	Origin of voltage decay in high-capacity layered oxide electrodes. <i>Nature Materials</i> , <b>2015</b> , 14, 230-8	27	612
71	Visualization of O-O peroxo-like dimers in high-capacity layered oxides for Li-ion batteries. <i>Science</i> , <b>2015</b> , 350, 1516-21	33.3	514
70	Influence of polymorphism on the electrochemical behavior of M Sb negative electrodes in Li/Na batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 280, 695-702	8.9	17
69	New Insights on the Reversible Lithiation Mechanism of TiO <sub>2</sub> (B) by Operando X-ray Absorption Spectroscopy and X-ray Diffraction Assisted by First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 27210-27218	3.8	20
68	An oxysulfate Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> electrode for sustainable Li-based batteries. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 12658-66	16.4	14
67	Conceptual Surface Electrochemistry and New Redox Descriptors. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 19023-19031	3.8	28
66	An intuitive and efficient method for cell voltage prediction of lithium and sodium-ion batteries. <i>Nature Communications</i> , <b>2014</b> , 5, 5559	17.4	33
65	Reversible anionic redox chemistry in high-capacity layered-oxide electrodes. <i>Nature Materials</i> , <b>2013</b> , 12, 827-35	27	969
64	An ab initio study of surface electrochemical disproportionation: The case of a water monolayer adsorbed on a Pd(111) surface. <i>Catalysis Today</i> , <b>2013</b> , 202, 87-97	5.3	52
63	High Performance Li <sub>2</sub> Ru <sub>1-x</sub> MnyO <sub>3</sub> (0.2 ≤ x ≤ 0.8) Cathode Materials for Rechargeable Lithium-Ion Batteries: Their Understanding. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 1121-1131	9.6	320
62	Palladium-silver mesowires for the extended detection of H <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 310-8	9.5	14
61	Origin of the Voltage Hysteresis in the CoP Conversion Material for Li-Ion Batteries. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 837-849	3.8	76
60	Li <sub>4</sub> NiTeO <sub>6</sub> as a positive electrode for Li-ion batteries. <i>Chemical Communications</i> , <b>2013</b> , 49, 11376-8	5.8	71
59	Single-Step Synthesis of FeSO <sub>4</sub> F <sub>1-x</sub> OH <sub>y</sub> (0 ≤ x ≤ 1) Positive Electrodes for Li-Based Batteries. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 1472-1485	9.6	31
58	Origin of the 3.6 V to 3.9 V voltage increase in the LiFeSO <sub>4</sub> F cathodes for Li-ion batteries. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 9584	35.4	54

57	Orbital Approach to the Electronic Structure of Solids <b>2012</b> ,		19
56	A 3.90 V iron-based fluorosulphate material for lithium-ion batteries crystallizing in the triplite structure. <i>Nature Materials</i> , <b>2011</b> , 10, 772-9	27	279
55	Interface electrochemistry in conversion materials for Li-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 10134		61
54	Fell/Felll mixed-valence state induced by Li-insertion into the metal-organic-framework Mil53(Fe): A DFT+U study. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 3426-3432	8.9	46
53	Crystal structure, band structure and electrical properties of $\text{Li}(\text{BEDT-TTF})_2\text{SbF}_6$ grown on a Si(0 0 1) electrode. <i>Synthetic Metals</i> , <b>2010</b> , 160, 556-560	3.6	3
52	Design of Electrode Materials for Lithium-Ion Batteries: The Example of Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 9518-9527	3.8	75
51	Interplay between Magnetic and Orbital Ordering in the Strongly Correlated Cobalt Oxide: A DFT + U Study. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 21750-21756	3.8	28
50	P-Redox Mechanism at the Origin of the High Lithium Storage in NiP <sub>2</sub> -Based Batteries. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 298-308	9.6	66
49	Updated references for the structural, electronic, and vibrational properties of TiO <sub>2</sub> (B) bulk using first-principles density functional theory calculations. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 204501	3.9	94
48	Phase Diagrams for Systems with Low Free Energy Variation: A Coupled Theory/Experiments Method Applied to Li-Graphite. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 3982-3988	3.8	35
47	Direct Correlation between the <sup>31</sup> P MAS NMR Response and the Electronic Structure of Some Transition Metal Phosphides. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 20481-20490	3.8	44
46	Structural, magnetic and redox properties of a new cathode material for Li-ion batteries: the iron-based metal organic framework. <i>Ionics</i> , <b>2008</b> , 14, 279-283	2.7	31
45	Redox mechanism in the NiP <sub>2</sub> electrode for Li-ion batteries: A DFT study coupled with local chemical bond analyses. <i>Ionics</i> , <b>2008</b> , 14, 197-202	2.7	6
44	Determination of Lithium Insertion Sites in Li <sub>x</sub> TiP <sub>4</sub> (x= 2/3, 1) by Electron Energy-Loss Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 3996-4002	3.8	19
43	Electrical conductivity and spin crossover: a new achievement with a metal bis dithiolene complex. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 8548-59	5.1	96
42	Mixed-valence li/fe-based metal-organic frameworks with both reversible redox and sorption properties. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 3259-63	16.4	518
41	(BETS) <sub>2</sub> [RuX <sub>5</sub> NO] (X=Cl, Br): an explanation of different conductive properties through structural and spectroscopic studies. <i>Journal of Low Temperature Physics</i> , <b>2006</b> , 142, 445-448	1.3	1
40	FeP: Another Attractive Anode for the Li-Ion Battery Enlisting a Reversible Two-Step Insertion/Conversion Process. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 3531-3538	9.6	165

39	Redox mechanism in the binary transition metal phosphide Cu <sub>3</sub> P. <i>Journal of Physics and Chemistry of Solids</i> , <b>2006</b> , 67, 1252-1257	3.9	43
38	(BETS) <sub>2</sub> [RuX <sub>5</sub> NO] (X = Cl, Br): An Explanation of Different Conductive Properties Through Structural and Spectroscopic Studies. <i>Journal of Low Temperature Physics</i> , <b>2006</b> , 142, 449-452	1.3	
37	On the Reactivity of Li <sub>8-y</sub> MnyP <sub>4</sub> toward Lithium. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 3627-3635	9.6	31
36	Electrochemical Reactivity and Design of NiP <sub>2</sub> Negative Electrodes for Secondary Li-Ion Batteries. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 6327-6337	9.6	209
35	Electrochemical Behaviors of Binary and Ternary Manganese Phosphides. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 5817-5823	9.6	54
34	Progress in the lithium insertion mechanism in Cu <sub>3</sub> P. <i>Ionics</i> , <b>2005</b> , 11, 36-45	2.7	18
33	Leading interactions in the BrV <sub>6</sub> O <sub>15</sub> compound. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	33
32	The Li <sub>x</sub> MPn <sub>4</sub> phases (M/Pn = Ti/P, V/As): new negative electrode materials for lithium ion rechargeable batteries. <i>Electrochimica Acta</i> , <b>2004</b> , 49, 2325-2332	6.7	49
31	Redox-Induced Structural Change in Anode Materials Based on Tetrahedral (MPn <sub>4</sub> ) <sub>x</sub> - Transition Metal Pnictides. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 1002-1013	9.6	57
30	Lithium insertion/deinsertion mechanisms in the transition metal pnictides Li <sub>x</sub> MPn <sub>4</sub> . <i>Ionics</i> , <b>2003</b> , 9, 56-63	7	9
29	New salts derived from organic donor molecules with long-living excited states counter-ions. <i>Synthetic Metals</i> , <b>2003</b> , 133-134, 377-380	3.6	1
28	Similarities between the t-J and Hubbard models in weakly correlated regimes. <i>European Physical Journal B</i> , <b>2002</b> , 28, 49-54	1.2	1
27	The Li <sub>x</sub> VPn <sub>4</sub> Ternary Phases (Pn = P, As): Rigid Networks for Lithium Intercalation/Deintercalation. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 4126-4133	9.6	56
26	Structure and properties of BETS salts: [(BETS) <sub>8</sub> (Cu <sub>2</sub> Cl <sub>6</sub> )(CuCl <sub>4</sub> )] <sub>n</sub> , [(BETS) <sub>2</sub> (CuCl <sub>2</sub> )] <sub>n</sub> and (BETS) <sub>2</sub> (CuCl <sub>4</sub> ). <i>Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry</i> , <b>2001</b> , 4, 149-160		0
25	Anion Conformation and Physical Properties in BETS Salts with the Nitroprusside Anion and its Related Ruthenium Halide (X = Cl, Br) Mononitrosyl Complexes: [(BETS) <sub>4</sub> [Fe(CN) <sub>5</sub> NO]], (BETS) <sub>2</sub> [RuBr <sub>5</sub> NO], and (BETS) <sub>2</sub> [RuCl <sub>5</sub> NO]. <i>European Journal of Inorganic Chemistry</i> , <b>2001</b> , 2001, 2797	2.3	23
24	Synthesis, electrical behaviour, and crystal and electronic band structures of two different phases of the (SMeEt <sub>2</sub> )[Pd(dmit) <sub>2</sub> ] <sub>2</sub> salt. Consequences of cationic disorder on the electrical properties. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 2205-2210		8
23	Density functional theory analysis of the local chemical bonds in the periodic tantalum dichalcogenides TaX <sub>2</sub> (X=S, Se, Te). <i>Journal of Chemical Physics</i> , <b>2000</b> , 113, 5879-5890	3.9	22
22	Correlation and dimerization effects on the physical behavior of the NR <sub>4</sub> [Ni(dmit) <sub>2</sub> ] <sub>2</sub> charge transfer salts: A density matrix renormalization group study of the quarter-filling t <sub>1</sub> model. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 1767-1773	3.9	6

21	Why has 1T-TaTe <sub>2</sub> not yet been synthesized? A DFT contribution.. <i>Synthetic Metals</i> , <b>1999</b> , 103, 2679-2682,6		2
20	Quantitative on-site repulsion U for the Ni(dmit) <sub>2</sub> molecule: A DMRG study of the NR <sub>4</sub> [Ni(dmit) <sub>2</sub> ] <sub>2</sub> salts. <i>Synthetic Metals</i> , <b>1999</b> , 103, 2062-2063	3.6	
19	A new theoretical approach for the electrical properties of TiX <sub>2</sub> (X=S, Se, Te) phases with density functional calculations. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 649-658	3.9	10
18	Metallic conductivity in a disordered charge-transfer salt derived from cis-BET-TTF. <i>Synthetic Metals</i> , <b>1997</b> , 86, 2145-2146	3.6	12
17	Electronic Structure of the $\alpha$ -(BEDT-TTF) <sub>2</sub> MHg(XCN) <sub>4</sub> (M = Tl, K, NH <sub>4</sub> ; X = S, Se) and Related Phases. Synthesis and Crystal Structure of the New Stable Organic Metal $\alpha$ -(BEDT-TTF) <sub>2</sub> TlHg(Se <sub>1-x</sub> S <sub>x</sub> ) <sub>4</sub> (x = 0.125). <i>Journal De Physique, I</i> , <b>1996</b> , 6, 1527-1553		29
16	Effect of the cooling rate on the transverse magnetoresistance of (TSeT) <sub>2</sub> Cl in its charge-density wave ground state. <i>Physica B: Condensed Matter</i> , <b>1995</b> , 211, 286-289	2.8	2
15	H <sub>2</sub> O photodissociation dynamics based on potential energy surfaces from density functional calculations. <i>Journal of Chemical Physics</i> , <b>1995</b> , 103, 2538-2547	3.9	12
14	Structural and electronic properties of the molecular conductors (EDTTTF) <sub>x</sub> [Pd(dmit) <sub>2</sub> ] <sub>y</sub> (x:y=2:3 and 2:2). <i>Journal of Physics Condensed Matter</i> , <b>1995</b> , 7, 4673-4695	1.8	11
13	A New Family of Molecular Metals Based on Bis(ethylenethio)tetrathiafulvalene (BET-TTF) and Octahedral Counterions. <i>Chemistry of Materials</i> , <b>1995</b> , 7, 1558-1567	9.6	23
12	Interplay between structural, magnetic properties and calculated band structures of (EDT-TTF) <sub>2</sub> [M(dmit) <sub>2</sub> ] <sub>2</sub> where M = Ni, Pd. <i>Synthetic Metals</i> , <b>1995</b> , 70, 1063-1064	3.6	4
11	Magnetoresistance in pulsed fields, band structure calculations and charge-density wave instability in (TSeT) <sub>2</sub> Cl. <i>Synthetic Metals</i> , <b>1995</b> , 70, 1279-1280	3.6	4
10	Electronic properties of isostructural organic conductors (ET) <sub>3</sub> (HSO <sub>4</sub> ) <sub>2</sub> and [Ni(dddT) <sub>2</sub> ] <sub>3</sub> (HSO <sub>4</sub> ) <sub>2</sub> . Thermopower and tight-binding calculations. <i>Synthetic Metals</i> , <b>1995</b> , 71, 1867-1868	3.6	3
9	Concerning the first-order transition in the $\beta$ -phase (BEDT-TTF) <sub>4</sub> PtCl <sub>6</sub> · C <sub>6</sub> H <sub>5</sub> CN. <i>Journal De Physique, I</i> , <b>1994</b> , 4, 1479-1490		20
8	Comparison of the electronic structures of isostructural (BEDT-TTF) <sub>3</sub> (HSO <sub>4</sub> ) <sub>2</sub> and [Ni(dddT) <sub>2</sub> ] <sub>3</sub> (HSO <sub>4</sub> ) <sub>2</sub> molecular metals. <i>Journal De Physique, I</i> , <b>1994</b> , 4, 1439-1450		8
7	Structure-Property Correlations in the Platinum Oxide and Palladium Sulfide Bronzes with Columnar Chains of Square-Planar TX <sub>4</sub> Units (T = Pt, X = O; T = Pd, X = S). <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 2115-2120	16.4	14
6	The Mechanism of Acetylene Cyclotrimerization Catalyzed by the fac-IrP <sub>3</sub> <sup>+</sup> Fragment: The Relationship between Fluxionality and Catalysis. <i>Organometallics</i> , <b>1994</b> , 13, 2010-2023	3.8	50
5	Synthesis, Crystal Structure, Electrical Properties and Electronic Band Structure of (NH <sub>4</sub> Me <sub>4</sub> -y)[M(dmit) <sub>2</sub> ] <sub>x</sub> Complexes (M = Ni, Pd, Pt; dmit <sub>2</sub> = 2-Thioxo-1,3-dithiole-4,5-dithiolato). <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 3401-3414	5.1	38
4	Inhibited superconductivity induced by localization effects in (EDT-TTF) <sub>2</sub> [Pd(dmit) <sub>2</sub> ] <sub>2</sub> . <i>Synthetic Metals</i> , <b>1993</b> , 56, 2833-2838	3.6	5

3	Factors affecting the metallic versus semiconducting properties of charge transfer salts containing [M(dddtt)2]2 and [M(dmit)2]2 (M = Pd, Pt) dimers. <i>Solid State Communications</i> , <b>1993</b> , 88, 699-703	1.6	22
2	Comparison of the electronic structures of the BEDT-TTF4[ M(CN)4] (M = Ni, Pt) and BEDT-TTF4[ M(C2O4)2] (M = Pt, Cu) salts. Structural requirements for hidden Fermi surface nesting. <i>Journal De Physique, I</i> , <b>1993</b> , 3, 2451-2461		4
1	The Ir <sup>IV</sup> transition state and the mechanism of the oxygen evolution reaction on IrO2(110). <i>Energy and Environmental Science</i> ,	35.4	7