

# Lars Kloo

## List of Publications by Year in Descending Order

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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.

167  
papers

15,228  
citations

43  
h-index

122  
g-index

186  
ext. papers

16,526  
ext. citations

8.4  
avg, IF

6.64  
L-index

#	Paper	IF	Citations
167	Effect of the Ancillary Ligand on the Performance of Heteroleptic Cu(I) Diimine Complexes as Dyes in Dye-Sensitized Solar Cells.. <i>ACS Applied Energy Materials</i> , <b>2022</b> , 5, 1460-1470	6.1	0
166	A crosslinked polymer as dopant-free hole-transport material for efficient n-i-p type perovskite solar cells. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 55, 211-218	12	12
165	Necessity of structural rearrangements for O O bond formation between O5 and W2 in photosystem II. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 57, 436-442	12	3
164	Influence of TiO surface defects on the adsorption of N719 dye molecules. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 22160-22173	3.6	
163	Ionic Liquid Synthesis of (Et3S)[Ag4I5] A Structure Containing Basket-Like Silver-Iodide Cages with Ag22+ Pairs. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2021</b> , 647, 59-63	1.3	
162	Catenated compounds in Group 17 Polyhalides <b>2021</b> ,		
161	Ladder Mechanisms of Ion Transport in Prussian Blue Analogues.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	4
160	Exploring Lewis-Base Effects to Improve the Efficiency of [Co(bpy)3]2+/3+-Mediated Dye-Sensitized Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 5705-5711	6.1	3
159	Comparison between Benzothiadizole-Thiophene- and Benzothiadizole-Furan-Based D-A-A Dyes Applied in Dye-Sensitized Solar Cells: Experimental and Theoretical Insights. <i>ACS Omega</i> , <b>2020</b> , 5, 16856-16864 <sup>10</sup>	3.9	10
158	Organic Salts as p-Type Dopants for Efficient LiTFSI-Free Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 33751-33758	9.5	12
157	Single crystal structure and opto-electronic properties of oxidized Spiro-OMeTAD. <i>Chemical Communications</i> , <b>2020</b> , 56, 1589-1592	5.8	8
156	Implicit Tandem Organic-Inorganic Hybrid Perovskite Solar Cells Based on Internal Dye Sensitization: Robotized Screening, Synthesis, Device Implementation, and Theoretical Insights. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 18437-18448	16.4	10
155	Conformational and Compositional Tuning of Phenanthrocarbazole-Based Dopant-Free Hole-Transport Polymers Boosting the Performance of Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 17681-17692	16.4	48
154	Efficient Naphthalene Imide-Based Interface Engineering Materials for Enhancing Perovskite Photovoltaic Performance and Stability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 42348-42356	9.5	6
153	The Central Role of Ligand Conjugation for Properties of Coordination Complexes as Hole-Transport Materials in Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 6768-6779	6.1	3
152	Exploring the Optical and Electrochemical Properties of Homoleptic versus Heteroleptic Diimine Copper(I) Complexes. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 12167-12177	5.1	13
151	Energy-Loss Reduction as a Strategy to Improve the Efficiency of Dye-Sensitized Solar Cells. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900253	7.1	8

150	An Indacenodithieno[3,2-b]thiophene-Based Organic Dye for Solid-State p-Type Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , <b>2019</b> , 12, 3243-3248	8.3	8
149	Mechanistic Insights from Functional Group Exchange Surface Passivation: A Combined Theoretical and Experimental Study. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 2723-2733	6.1	5
148	Light-induced electrolyte improvement in cobalt tris(bipyridine)-mediated dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 19495-19505	13	12
147	Towards implementing hierarchical porous zeolitic imidazolate frameworks in dye-sensitized solar cells. <i>Royal Society Open Science</i> , <b>2019</b> , 6, 190723	3.3	36
146	Impact of Linking Topology on the Properties of Carbazole-Based Hole-Transport Materials and their Application in Solid-State Mesoscopic Solar Cells. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900196	7.1	8
145	Exploring Overall Photoelectric Applications by Organic Materials Containing Symmetric Donor Isomers. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 8810-8819	9.6	8
144	Polymeric, Cost-Effective, Dopant-Free Hole Transport Materials for Efficient and Stable Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 19700-19707	16.4	81
143	Restructuring of Dye Layers in Dye Sensitized Solar Cells: Cooperative Adsorption of N719 and Chenodeoxycholic Acid on Titania. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 124-130	6.1	10
142	Excited-State Dynamics of [Ru(bpy) ] Thin Films on Sensitized TiO and ZrO. <i>ChemPhysChem</i> , <b>2019</b> , 20, 618-626	3.2	4
141	Polyiodide Hybrid Perovskites: A Strategy To Convert Intrinsic 2D Systems into 3D Photovoltaic Materials. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 477-485	6.1	14
140	Composite Hole-Transport Materials Based on a Metal-Organic Copper Complex and Spiro-OMeTAD for Efficient Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2018</b> , 2, 1700073	7.1	18
139	Molecular Engineering of D-D-EA-Based Organic Sensitizers for Enhanced Dye-Sensitized Solar Cell Performance. <i>ACS Omega</i> , <b>2018</b> , 3, 3819-3829	3.9	21
138	Electronic Structure Characterization of Cross-Linked Sulfur Polymers. <i>ChemPhysChem</i> , <b>2018</b> , 19, 1041-1047	9.7	2
137	Electronic and Structural Effects of Inner Sphere Coordination of Chloride to a Homoleptic Copper(II) Diimine Complex. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 4556-4562	5.1	21
136	Liquid Dye-Sensitized Solar Cells. <i>Green Chemistry and Sustainable Technology</i> , <b>2018</b> , 109-149	1.1	5
135	Electronic Structure of Two-Dimensional Lead(II) Iodide Perovskites: An Experimental and Theoretical Study. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 4959-4967	9.6	20
134	Light-Induced Interfacial Dynamics Dramatically Improve the Photocurrent in Dye-Sensitized Solar Cells: An Electrolyte Effect. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 26241-26247	9.5	3
133	Efficient Dye-Sensitized Solar Cells with Voltages Exceeding 1 V through Exploring Tris(4-alkoxyphenyl)amine Mediators in Combination with the Tris(bipyridine) Cobalt Redox System. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 1929-1937	20.1	16

132	Design and synthesis of dopant-free organic hole-transport materials for perovskite solar cells. <i>Chemical Communications</i> , <b>2018</b> , 54, 9571-9574	5.8	36
131	Carrier Dynamics of Dye Sensitized-TiO <sub>2</sub> in Contact with Different Cobalt Complexes in the Presence of Tri(p-anisyl)amine Intermediates. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 14345-14354	3.8	1
130	Molecular Engineering of D- $\pi$ A Type of Blue-Colored Dyes for Highly Efficient Solid-State Dye-Sensitized Solar Cells through Co-Sensitization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 35946-35952	9.5	6
129	The Importance of Pendant Groups on Triphenylamine-Based Hole Transport Materials for Obtaining Perovskite Solar Cells with over 20% Efficiency. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1701209	21.8	101
128	A facile route to grain morphology controllable perovskite thin films towards highly efficient perovskite solar cells. <i>Nano Energy</i> , <b>2018</b> , 53, 405-414	17.1	45
127	D-A-D-Typed Hole Transport Materials for Efficient Perovskite Solar Cells: Tuning Photovoltaic Properties via the Acceptor Group. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 19697-19703	9.5	65
126	Cu(II) Complexes as p-Type Dopants in Efficient Perovskite Solar Cells. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 497-503	10.1	56
125	Molecular engineering of D $\pi$ A sensitizers for highly efficient solid-state dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 3157-3166	13	34
124	Design, synthesis and application of a $\pi$ -conjugated, non-spiro molecular alternative as hole-transport material for highly efficient dye-sensitized solar cells and perovskite solar cells. <i>Journal of Power Sources</i> , <b>2017</b> , 344, 11-14	8.9	43
123	Crystallography as Forensic Tool for Understanding Electrolyte Degradation in Dye-Sensitized Solar Cells. <i>ChemistrySelect</i> , <b>2017</b> , 2, 1675-1680	1.8	2
122	Impact of synthetic routes on the structural and physical properties of butyl-1,4-diammonium lead iodide semiconductors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 11730-11738	13	28
121	Self-Assembled Liquid-Crystalline Ion Conductors in Dye-Sensitized Solar Cells: Effects of Molecular Sensitizers on Their Performance. <i>ChemPlusChem</i> , <b>2017</b> , 82, 834-840	2.8	13
120	Efficient Perovskite Solar Cells Based on a Solution Processable Nickel(II) Phthalocyanine and Vanadium Oxide Integrated Hole Transport Layer. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1602556	21.8	78
119	Tailor-Making Low-Cost Spiro[fluorene-9,9'-xanthene]-Based 3D Oligomers for Perovskite Solar Cells. <i>Chem</i> , <b>2017</b> , 2, 676-687	16.2	176
118	Cross-Linked Sulfur/Bismuth Polymers as Hole-Transporting Materials in Dye-Sensitized Solar Cells and Perovskite Solar Cells. <i>ChemPhotoChem</i> , <b>2017</b> , 1, 363-368	3.3	11
117	A Perylene-dimide Tetramer-Based 3D Electron Transport Material for Efficient Planar Perovskite Solar Cell. <i>Solar Rrl</i> , <b>2017</b> , 1, 1700046	7.1	22
116	Novel and Stable D-A- $\pi$ A Dyes for Efficient Solid-State Dye-Sensitized Solar Cells. <i>ACS Omega</i> , <b>2017</b> , 2, 1812-1819	3.9	11
115	High performance solid-state dye-sensitized solar cells based on organic blue-colored dyes. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1242-1247	13	25

114	EXAFS, ab Initio Molecular Dynamics, and NICIS Spectroscopy Studies on an Organic Dye Model at the Dye-Sensitized Solar Cell Photoelectrode Interface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 19773-19779	9.5	5
113	Study of Arylamine-Substituted Porphyrins as Hole-Transporting Materials in High-Performance Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 13231-13239	9.5	82
112	Polymer-Doped Molten Salt Mixtures as a New Concept for Electrolyte Systems in Dye-Sensitized Solar Cells. <i>ACS Omega</i> , <b>2017</b> , 2, 6570-6575	3.9	2
111	Investigation of Triphenylamine (TPA)-Based Metal Complexes and Their Application in Perovskite Solar Cells. <i>ACS Omega</i> , <b>2017</b> , 2, 9231-9240	3.9	14
110	Bis(1,1-bis(2-pyridyl)ethane)copper(I/II) as an efficient redox couple for liquid dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 14550-14554	13	53
109	Layered 2D alkyldiammonium lead iodide perovskites: synthesis, characterization, and use in solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 15638-15646	13	134
108	The Role of 3D Molecular Structural Control in New Hole Transport Materials Outperforming Spiro-OMeTAD in Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1601062	21.8	74
107	Highly Efficient Integrated Perovskite Solar Cells Containing a Small Molecule-PC70BM Bulk Heterojunction Layer with an Extended Photovoltaic Response Up to 900 nm. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 8631-8639	9.6	35
106	Aqueous Solvation and Surface Oxidation of the Cu <sub>7</sub> Nanoparticle: Insights from Theoretical Modeling. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 1977-1988	3.8	11
105	Investigation of cobalt redox mediators and effects of TiO <sub>2</sub> film topology in dye-sensitized solar cells. <i>RSC Advances</i> , <b>2016</b> , 6, 56580-56588	3.7	15
104	High conductivity Ag-based metal organic complexes as dopant-free hole-transport materials for perovskite solar cells with high fill factors. <i>Chemical Science</i> , <b>2016</b> , 7, 2633-2638	9.4	78
103	A low-cost spiro[fluorene-9,9'-xanthene]-based hole transport material for highly efficient solid-state dye-sensitized solar cells and perovskite solar cells. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 873-877	35.4	306
102	A study of oligothiophene acceptor dyes in p-type dye-sensitized solar cells. <i>RSC Advances</i> , <b>2016</b> , 6, 18165-18179	3.7	11
101	Liquid-Crystalline Dye-Sensitized Solar Cells: Design of Two-Dimensional Molecular Assemblies for Efficient Ion Transport and Thermal Stability. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 6493-6500	9.6	55
100	Atomistic Insight into Tetraalkylphosphonium Bis(oxalato)borate Ionic Liquid/Water Mixtures. 2. Volumetric and Dynamic Properties. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 7446-55	3.4	22
99	Solvation structures of water in trihexyltetradecylphosphonium-orthoborate ionic liquids. <i>Journal of Chemical Physics</i> , <b>2016</b> , 145, 064507	3.9	22
98	Facile synthesis of fluorene-based hole transport materials for highly efficient perovskite solar cells and solid-state dye-sensitized solar cells. <i>Nano Energy</i> , <b>2016</b> , 26, 108-113	17.1	89
97	1,1,2,2-Tetrachloroethane (TeCA) as a Solvent Additive for Organic Hole Transport Materials and Its Application in Highly Efficient Solid-State Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1402340	21.8	53

96	A novel phenoxazine-based hole transport material for efficient perovskite solar cell. <i>Journal of Energy Chemistry</i> , <b>2015</b> , 24, 698-706	12	20
95	Cation-Dependent Photostability of Co(II/III)-Mediated Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 24704-24713	3.8	20
94	Solution processable, cross-linked sulfur polymers as solid electrolytes in dye-sensitized solar cells. <i>Chemical Communications</i> , <b>2015</b> , 51, 14660-2	5.8	29
93	Electrolytes based on TEMPO-Co tandem redox systems outperform single redox systems in dye-sensitized solar cells. <i>ChemSusChem</i> , <b>2015</b> , 8, 264-8	8.3	26
92	The combination of a new organic D $\pi$ A dye with different organic hole-transport materials for efficient solid-state dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 4420-4427	13	35
91	Phenoxazine-Based Small Molecule Material for Efficient Perovskite Solar Cells and Bulk Heterojunction Organic Solar Cells. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1401720	21.8	97
90	Structure and function relationships in alkylammonium lead(II) iodide solar cells. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 9201-9207	13	52
89	Dipicolinic acid: a strong anchoring group with tunable redox and spectral behavior for stable dye-sensitized solar cells. <i>Chemical Communications</i> , <b>2015</b> , 51, 3858-61	5.8	23
88	Photoisomerization of the cyanoacrylic acid acceptor group--a potential problem for organic dyes in solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 2251-5	3.6	49
87	On the correlation between dye coverage and photoelectrochemical performance in dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 711-8	3.6	31
86	Nanostructured Two-Component Liquid-Crystalline Electrolytes for High-Temperature Dye-Sensitized Solar Cells. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 6496-6502	9.6	56
85	Two Redox Couples are Better Than One: Improved Current and Fill Factor from Cobalt-Based Electrolytes in Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1301273	21.8	16
84	Long-term stability for cobalt-based dye-sensitized solar cells obtained by electrolyte optimization. <i>Chemical Communications</i> , <b>2014</b> , 50, 6249-51	5.8	45
83	Poly(3,4-ethylenedioxythiophene) Hole-Transporting Material Generated by Photoelectrochemical Polymerization in Aqueous and Organic Medium for All-Solid-State Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 16591-16601	3.8	48
82	Carbazole-based hole-transport materials for efficient solid-state dye-sensitized solar cells and perovskite solar cells. <i>Advanced Materials</i> , <b>2014</b> , 26, 6629-34	24	320
81	AgTFSI as p-type dopant for efficient and stable solid-state dye-sensitized and perovskite solar cells. <i>ChemSusChem</i> , <b>2014</b> , 7, 3252-6	8.3	97
80	Room-Temperature Synthesis of the Bi <sub>5</sub> [GaCl <sub>4</sub> ] <sub>3</sub> Salt From Three Different Classes of Ionic Liquids. <i>Journal of Cluster Science</i> , <b>2013</b> , 24, 157-164	3	7
79	A quasi-liquid polymer-based cobalt redox mediator electrolyte for dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 17419-25	3.6	33

78	Synthesis, Structure, and Magnetic Properties of Some Layered Compounds Based on Long-Chain Sulfonium Cations and Complex Cobalt and Copper Anions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2013</b> , 639, 2613-2617	1.3	1
77	Incompletely solvated ionic liquid mixtures as electrolyte solvents for highly stable dye-sensitized solar cells. <i>RSC Advances</i> , <b>2013</b> , 3, 1896-1901	3.7	26
76	On the early development of organic dyes for dye-sensitized solar cells. <i>Chemical Communications</i> , <b>2013</b> , 49, 6580-3	5.8	33
75	Definition of the halogen bond (IUPAC Recommendations 2013). <i>Pure and Applied Chemistry</i> , <b>2013</b> , 85, 1711-1713	2.1	1259
74	Development of an organic redox couple and organic dyes for aqueous dye-sensitized solar cells. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 9752	35.4	55
73	Solvent-free ionic liquid electrolytes without elemental iodine for dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 11592-5	3.6	25
72	A highly efficient colourless sulfur/iodide-based hybrid electrolyte for dye-sensitized solar cells. <i>RSC Advances</i> , <b>2012</b> , 2, 3625	3.7	35
71	Iodine/iodide-free redox shuttles for liquid electrolyte-based dye-sensitized solar cells. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 9180	35.4	133
70	Structure and Bonding of the Manganese(II) Phosphide Complex (t-BuPH <sub>2</sub> )( $\beta$ -Cp)Mn{ $\eta$ -(t-BuPH)} <sub>2</sub> Mn(Cp)(t-BuPH <sub>2</sub> ). <i>Organometallics</i> , <b>2012</b> , 31, 23-26	3.8	17
69	Tetrathiafulvalene as a one-electron iodine-free organic redox mediator in electrolytes for dye-sensitized solar cells. <i>RSC Advances</i> , <b>2012</b> , 2, 1083-1087	3.7	22
68	Formation of N719 dye multilayers on dye sensitized solar cell photoelectrode surfaces investigated by direct determination of element concentration depth profiles. <i>Langmuir</i> , <b>2012</b> , 28, 9431-4	3.7	33
67	Trends in patent applications for dye-sensitized solar cells. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 7376	35.4	25
66	Organic redox couples and organic counter electrode for efficient organic dye-sensitized solar cells. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 9413-22	16.4	214
65	Structural Investigation of a Fully Ordered closo-Ge <sub>92</sub> Cluster in the Compound [K+(2,2,2-crypt)] <sub>2</sub> Ge <sub>92</sub> . <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, 3999-4005	2.3	16
64	Zweihundert Jahre Iodforschung: ein interdisziplinärer Überblick über die derzeitige Forschung. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 11802-11825	3.6	20
63	Commemorating two centuries of iodine research: an interdisciplinary overview of current research. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 11598-620	16.4	221
62	Molecular scale characterization of the titania-dye-solvent interface in dye-sensitized solar cells. <i>Langmuir</i> , <b>2010</b> , 26, 9612-6	4	22
61	Synergistic Effect of N-Methylbenzimidazole and Guanidinium Thiocyanate on the Performance of Dye-Sensitized Solar Cells Based on Ionic Liquid Electrolytes. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 22330-22337	3.8	37

60	Dimorphic (Ba[GaCl <sub>4</sub> ](2))(3).2C(6)H(6): a case of coordination extremes. <i>Dalton Transactions</i> , <b>2010</b> , 39, 1467-9	4.3	3
59	Dichloromethane as solvent for the synthesis of polycationic clusters at room temperature--a link to standard organometallic chemistry. <i>Dalton Transactions</i> , <b>2010</b> , 39, 8132-4	4.3	7
58	Investigation of Iodine Concentration Effects in Electrolytes for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 10612-10620	3.8	76
57	Dye-sensitized solar cells. <i>Chemical Reviews</i> , <b>2010</b> , 110, 6595-663	68.1	7291
56	Study of [Dy(1,3,5-trimethylbenzene)(GaCl <sub>4</sub> ) <sub>3</sub> ]-incorporated polyhedral silica nanofoam. <i>Microporous and Mesoporous Materials</i> , <b>2010</b> , 132, 480-486	5.3	1
55	Regeneration of oxidized organic photo-sensitizers in grätzel solar cells: quantum-chemical portrait of a general mechanism. <i>ChemPhysChem</i> , <b>2010</b> , 11, 1858-62	3.2	32
54	Efficient organic-dye-sensitized solar cells based on an iodine-free electrolyte. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 7328-31	16.4	110
53	Synthesis and characterization of binuclear palladium(II) compounds and the influence of competing arenes. <i>Journal of Organometallic Chemistry</i> , <b>2010</b> , 695, 1513-1517	2.3	19
52	Parallel-connected monolithic dye-sensitized solar modules. <i>Progress in Photovoltaics: Research and Applications</i> , <b>2010</b> , 18, 340-345	6.8	31
51	New metal-rich mixed chalcogenides with intergrowth structures: Ni <sub>8.21</sub> Ge <sub>2</sub> S <sub>2</sub> and Ni <sub>8.45</sub> Ge <sub>2</sub> Se <sub>2</sub> . <i>Solid State Sciences</i> , <b>2009</b> , 11, 1071-1076	3.4	9
50	Formation of carbonated apatite particles from a supersaturated inorganic blood serum model. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2009</b> , 20, 1677-87	4.5	8
49	Nobel-Metal Centered Polycations [Au@Bi <sub>10</sub> ] <sup>5+</sup> or [Pd@Bi <sub>10</sub> ] <sup>4+</sup> Embedded in Halogenido-Bismuthate(III)-Stannate(II) Frameworks. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2009</b> , 635, 743-752	1.3	38
48	A One-Dimensional Metal Embedded in Salt Matrices: Synthesis, Modulated Crystal Structures, Electrical Conductivity, and Chemical Bonding of $\{^1_\infty[\text{PdBi}_6][(\text{Bi},\text{Sn})_1\text{Br}_5]\}_n$ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2009</b> , 635, 1979-1985	1.3	14
47	Dimeric palladium and platinum complexes isolated in Lewis-acidic media. <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 605-609	2.7	13
46	Photoelectrochemical studies of ionic liquid-containing solar cells sensitized with different polypyridylruthenium complexes. <i>Polyhedron</i> , <b>2009</b> , 28, 757-762	2.7	14
45	A Study of the Interactions between Ir(III) Redox Mediators and Organometallic Sensitizing Dyes in Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 783-790	3.8	95
44	The observation of nano-crystalline calcium phosphate precipitate in a simple supersaturated inorganic blood serum model - composition and morphology. <i>Journal of Applied Biomaterials and Biomechanics</i> , <b>2009</b> , 7, 13-22		1
43	Dimensional caging of polyiodides. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 11464-6	5.1	41



42	One-dimensional chloro-bridged Cd(II) chains separated by dimethyl hexadecyl sulfonium cation layers: synthesis and structure. <i>Structural Chemistry</i> , <b>2008</b> , 19, 51-55	1.8	6
41	Mononuclear $\pi$ -Arene Complexes of Lanthanides: One-Step Syntheses, Crystal Structures, and Arene Exchange. <i>European Journal of Inorganic Chemistry</i> , <b>2008</b> , 2008, 5191-5195	2.3	9
40	Bi1614 $\pi$ A New Bismuth Subiodide: An Analysis of Molecular Packing and Electronic Structures of the Compounds in the Bi $m$ I4 ( $m = 14, 16, 18$ ) Family. <i>European Journal of Inorganic Chemistry</i> , <b>2008</b> , 2008, 5196-5202	2.3	9
39	The molecular cluster [Bi10Au2](SbBi3Br9)2. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 3932-56.4	5.6.4	43
38	The Molecular Cluster [Bi10Au2](SbBi3Br9)2. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 3996-3999	3.6	31
37	Ionic liquid electrolytes for dye-sensitized solar cells. <i>Dalton Transactions</i> , <b>2008</b> , 2655-66	4.3	343
36	Electrolytes for dye-sensitized solar cells based on interhalogen ionic salts and liquids. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 3566-75	5.1	68
35	Crystal formation involving 1-methylbenzimidazole in iodide/triiodide electrolytes for dye-sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2007</b> , 91, 1062-1065	6.4	33
34	Optimization of the synthesis of non-symmetrical alkyl dimethyl sulfonium halides. <i>Polyhedron</i> , <b>2007</b> , 26, 4893-4898	2.7	8
33	Syntheses and Crystal Structures of New Palladium(II) and Platinum(IV) Trialkylsulfonium Compounds. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2007</b> , 633, 643-646	1.3	8
32	The monolithic multicell: a tool for testing material components in dye-sensitized solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , <b>2007</b> , 15, 113-121	6.8	53
31	In Vitro Formation of Nanocrystalline Carbonate Apatite $\pi$ A Structural and Morphological Analogue of Atherosclerotic Plaques. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 4123-4127	2.3	6
30	Reaction of SDS with Ozone and OH Radicals in Aqueous Solution. <i>Ozone: Science and Engineering</i> , <b>2007</b> , 29, 131-138	2.4	7
29	Electron transport and recombination in dye-sensitized solar cells with ionic liquid electrolytes. <i>Journal of Electroanalytical Chemistry</i> , <b>2006</b> , 586, 56-61	4.1	52
28	Improvements of and Insights into the Isolation of Bismuth Polycations from Benzene Solution $\square$ Single-Crystal Structure Determinations of Bi8[GaCl4]2 and Bi5[GaCl4]3. <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 670-675	2.3	29
27	On the Structure of Nonastannide Clusters in Liquid and Solid State. <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 2888-2894	2.3	28
26	Synthesis of Main Group Polycations in Molten and Pseudo-Molten GaBr3 Media. <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 4907-4913	2.3	31
25	One-step synthesis of a platinum(0)-gallium(III) chrysene complex. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 3906-9	16.4	9

24	One-Step Synthesis of a Platinum(0)Gallium(III) Chrysene Complex. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 3974-3977	3.6	1
23	Anionic Diversity in Iodobismuthate Chemistry. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2005</b> , 631, 1497-1501	1.3	40
22	Pt <sub>6</sub> Cl <sub>12</sub> [(1,2,4-C <sub>6</sub> H <sub>3</sub> Cl <sub>3</sub> )] <sub>3</sub> , a Structurally Characterized Cocrystallization Product of Pt <sub>6</sub> Cl <sub>12</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2005</b> , 631, 2973-2975	1.3	3
21	Novel Layered Structures Formed by Iodocuprate Clusters Stabilized by Dialkylsulphide Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2004</b> , 630, 413-416	1.3	16
20	Syntheses and Crystal Structures of Di- and Trimercury Chlorogallates. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2004</b> , 630, 760-762	1.3	2
19	Sb <sub>8</sub> (GaCl <sub>4</sub> ) <sub>2</sub> : Isolation of a homopolyatomic antimony cation. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 2540-3	16.4	35
18	Sb <sub>8</sub> (GaCl <sub>4</sub> ) <sub>2</sub> : Isolation of a Homopolyatomic Antimony Cation. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 2594-2597	3.6	18
17	Molten and solid metal-iodide-doped trialkylsulphonium iodides and polyiodides as electrolytes in dye-sensitized nanocrystalline solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2004</b> , 82, 345-360	6.4	39
16	Reaction between palladium(II) and gallium(III) halogenides in arenes: influence of halogen nature on the formation of binuclear palladium(I) clusters. <i>Journal of Organometallic Chemistry</i> , <b>2004</b> , 689, 489-492	2.3	29
15	Electron Pairing, Repulsion, and Correlation: A Simplistic Approach. <i>Journal of Chemical Education</i> , <b>2004</b> , 81, 138	2.4	1
14	Iodoargentates and Cuprates Stabilized by Sulfonium Cations With Long Alkyl Chains. <i>European Journal of Inorganic Chemistry</i> , <b>2003</b> , 2003, 2352-2355	2.3	20
13	Binuclear palladium(I) and platinum(I) dimers stabilized by aromatic ligands: synthesis, structural characterization and reactivity with carbon monoxide. <i>Inorganica Chimica Acta</i> , <b>2003</b> , 350, 449-454	2.7	30
12	Synthesis and Crystal Structure of [Fe(Cp) <sub>2</sub> ] <sub>3</sub> (Bi <sub>2</sub> Cl <sub>9</sub> ) <sub>2</sub> ·hf. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2003</b> , 629, 2525-2528	1.3	4
11	Synthesis, structure, and bonding in polyiodide and metal iodide-iodine systems. <i>Chemical Reviews</i> , <b>2003</b> , 103, 1649-84	68.1	613
10	Molten and Solid Trialkylsulfonium Iodides and Their Polyiodides as Electrolytes in Dye-Sensitized Nanocrystalline Solar Cells. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 13665-13670	3.4	79
9	On the Intra- and Intermolecular Bonding in Polyiodides. <i>European Journal of Inorganic Chemistry</i> , <b>2002</b> , 2002, 1203-1209	2.3	50
8	Spectroscopic characterisation of indium(III) chloride and mixed ligand complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2002</b> , 58, 953-7	4.4	3
7	Ab initio calculations on bismuth cluster polycations. <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 2821-8	4.8	48

6	Electrochemical synthesis, X-ray single crystal, IR spectroscopic, and quantum chemical investigation of molybdenum and tungsten hexamethoxides. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 3815-8	5.1	18
5	A vibrational spectroscopic, structural and quantum chemical study of the triiodide ion. <i>Dalton Transactions RSC</i> , <b>2000</b> , 2449-2455		59
4	Investigations of the polyiodides H <sub>3</sub> O <sup>+</sup> <sub>x</sub> (x = 3, 5 or 7) as dibenzo-18-crown-6 complexes. <i>Dalton Transactions RSC</i> , <b>2000</b> , 1061-1065		19
3	Hard Acid and Soft Base Stabilisation of Di- and Trimercury Cations in Benzene Solution [A Spectroscopic, X-ray Scattering, and Quantum Chemical Study. <i>European Journal of Inorganic Chemistry</i> , <b>1999</b> , 1999, 633-642	2.3	7
2	Metal Iodides in Polyiodide Networks [The Structural Chemistry of Complex Gold Iodides with Excess Iodine. <i>Chemistry - A European Journal</i> , <b>1999</b> , 5, 305-311	4.8	36
1	Metal Iodides in Polyiodide Networks: Synthesis and Structure of Binary Metal Iodide-Iodine Compounds Stable under Ambient Conditions. <i>Inorganic Chemistry</i> , <b>1999</b> , 38, 3390-3393	5.1	24