

Alexander A Bessonov

List of Publications by Year in descending order

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21
papers

876
citations

759233

12
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794594

19
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21
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21
docs citations

21
times ranked

1957
citing authors

#	ARTICLE	IF	CITATIONS
1	Layered memristive and memcapacitive switches for printable electronics. <i>Nature Materials</i> , 2015, 14, 199-204.	27.5	423
2	Highly reproducible printable graphite strain gauges for flexible devices. <i>Sensors and Actuators A: Physical</i> , 2014, 206, 75-80.	4.1	90
3	Compound Quantum Dot Perovskite Optical Absorbers on Graphene Enhancing Short-Wave Infrared Photodetection. <i>ACS Nano</i> , 2017, 11, 5547-5557.	14.6	87
4	Nickel and copper conductive patterns fabricated by reactive inkjet printing combined with electroless plating. <i>Materials Letters</i> , 2014, 132, 302-306.	2.6	50
5	Dimethylgold(III) carboxylates as new precursors for gold CVD. <i>Surface and Coatings Technology</i> , 2007, 201, 9099-9103.	4.8	35
6	Nanoimprint patterning for tunable light trapping in large-area silicon solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 2886-2892.	6.2	34
7	Vapor pressure of some volatile iridium(I) compounds with carbonyl, acetylacetonate and cyclopentadienyl ligands. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 96, 261-266.	3.6	27
8	Synthesis, crystal structure and thermal behavior of dimethylgold(III) derivatives of salicylaldehyde Schiff bases – Novel precursors for gold MOCVD applications. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 2572-2578.	1.8	22
9	Synthesis, crystal structure, and thermal behavior of dimethylgold(III) acetate. <i>Journal of Structural Chemistry</i> , 2007, 48, 282-288.	1.0	16
10	Design of Patterned Surfaces with Selective Wetting Using Nanoimprint Lithography. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 2636-2641.	2.2	16
11	Direct-write printing of reactive oligomeric alkoxy silanes as an affordable and highly efficient route for promoting local adhesion of silver inks on polymer substrates. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2211-2218.	5.5	16
12	Control over pattern fidelity and surface wettability of imprinted templates for flexible color filter manufacturing. <i>Microelectronic Engineering</i> , 2011, 88, 2913-2918.	2.4	15
13	Thermal behaviour of dimethylgold(III) carboxylates. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 92, 751-755.	3.6	12
14	Invited Paper: Graphene Enhanced QD Image Sensor Technology. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 987-990.	0.3	11
15	Vibrational interactions in dimethylgold(III) halides and carboxylates. <i>Vibrational Spectroscopy</i> , 2009, 51, 283-288.	2.2	8
16	Crystal structure of dimethylgold(III) 8-hydroxyquinolate and 8-mercaptoquinolate. <i>Journal of Structural Chemistry</i> , 2008, 49, 64-68.	1.0	6
17	Lewis Acid Effects in Mesitylene Amination in the System $\text{NaN}_3\text{MHIgnHCl}$. <i>Russian Journal of Organic Chemistry</i> , 2004, 40, 755-756.	0.8	5
18	Pulse CVD Deposition of Ru Films from Ru(II) η^3 -Allylic Complex. <i>ECS Transactions</i> , 2009, 25, 881-885.	0.5	2

#	ARTICLE	IF	CITATIONS
19	Dimethyl[2-(phenyliminomethyl)phenolato- $\hat{\rho}$ 2N,O]gold(III). Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m3154-m3154.	0.2	1
20	10.1007/s11173-008-1011-2. , 2010, 34, 70.		0
21	10.1007/s11173-008-3006-4. , 2010, 34, 186.		0