

Alexander A Bessonov

List of Publications by Year in descending order

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21
papers

876
citations

759233

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794594

19
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all docs

21
docs citations

21
times ranked

1957
citing authors

#	ARTICLE	IF	CITATIONS
1	664: <i>Invited Paper:</i> Graphene Enhanced QD Image Sensor Technology. Digest of Technical Papers SID International Symposium, 2021, 52, 987-990.	0.3	11
2	Compound Quantum Dot Perovskite Optical Absorbers on Graphene Enhancing Short-Wave Infrared Photodetection. ACS Nano, 2017, 11, 5547-5557.	14.6	87
3	Direct-write printing of reactive oligomeric alkoxysilanes as an affordable and highly efficient route for promoting local adhesion of silver inks on polymer substrates. Journal of Materials Chemistry C, 2016, 4, 2211-2218.	5.5	16
4	Layered memristive and memcapacitive switches for printable electronics. Nature Materials, 2015, 14, 199-204.	27.5	423
5	Highly reproducible printable graphite strain gauges for flexible devices. Sensors and Actuators A: Physical, 2014, 206, 75-80.	4.1	90
6	Nickel and copper conductive patterns fabricated by reactive inkjet printing combined with electroless plating. Materials Letters, 2014, 132, 302-306.	2.6	50
7	Nanoimprint patterning for tunable light trapping in large-area silicon solar cells. Solar Energy Materials and Solar Cells, 2011, 95, 2886-2892.	6.2	34
8	Control over pattern fidelity and surface wettability of imprinted templates for flexible color filter manufacturing. Microelectronic Engineering, 2011, 88, 2913-2918.	2.4	15
9	Design of Patterned Surfaces with Selective Wetting Using Nanoimprint Lithography. Macromolecular Chemistry and Physics, 2010, 211, 2636-2641.	2.2	16
10	10.1007/s11173-008-1011-2. , 2010, 34, 70.		0
11	10.1007/s11173-008-3006-4. , 2010, 34, 186.		0
12	Pulse CVD Deposition of Ru Films from Ru(II) η^3 -Allylic Complex. ECS Transactions, 2009, 25, 881-885.	0.5	2
13	Vapor pressure of some volatile iridium(I) compounds with carbonyl, acetylacetonate and cyclopentadienyl ligands. Journal of Thermal Analysis and Calorimetry, 2009, 96, 261-266.	3.6	27
14	Vibrational interactions in dimethylgold(III) halides and carboxylates. Vibrational Spectroscopy, 2009, 51, 283-288.	2.2	8
15	Thermal behaviour of dimethylgold(III) carboxylates. Journal of Thermal Analysis and Calorimetry, 2008, 92, 751-755.	3.6	12
16	Crystal structure of dimethylgold(III) 8-hydroxyquinolate and 8-mercaptoquinolate. Journal of Structural Chemistry, 2008, 49, 64-68.	1.0	6
17	Synthesis, crystal structure and thermal behavior of dimethylgold(III) derivatives of salicylaldimine Schiff bases – Novel precursors for gold MOCVD applications. Journal of Organometallic Chemistry, 2008, 693, 2572-2578.	1.8	22
18	Dimethylgold(III) carboxylates as new precursors for gold CVD. Surface and Coatings Technology, 2007, 201, 9099-9103.	4.8	35

#	ARTICLE	IF	CITATIONS
19	Dimethyl[2-(phenyliminomethyl)phenolato- λ^2 N,O]gold(III). Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m3154-m3154.	0.2	1
20	Synthesis, crystal structure, and thermal behavior of dimethylgold(III) acetate. Journal of Structural Chemistry, 2007, 48, 282-288.	1.0	16
21	Lewis Acid Effects in Mesitylene Amination in the System $\text{NaN}_3\text{M}(\text{I})\text{gnHCl}$. Russian Journal of Organic Chemistry, 2004, 40, 755-756.	0.8	5