

# Ivan N Krastev

## List of Publications by Year in descending order

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36  
papers

633  
citations

567281

15  
h-index

610901

24  
g-index

36  
all docs

36  
docs citations

36  
times ranked

388  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pattern formation during the electrodeposition of a silver-antimony alloy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1995, 213, 199-208.	2.6	75
2	Effect of brighteners on hydrogen evolution during zinc electroplating from zincate electrolytes. <i>Journal of Applied Electrochemistry</i> , 1998, 28, 1107-1112.	2.9	53
3	Composition and Structure of Silver-Indium Alloy Coatings Electrodeposited from Cyanide Electrolytes. <i>Journal of the Electrochemical Society</i> , 2005, 152, C137.	2.9	40
4	Structure and properties of electrodeposited silver-bismuth alloys. <i>Journal of Applied Electrochemistry</i> , 2004, 34, 79-85.	2.9	36
5	Title is missing!. <i>Journal of Applied Electrochemistry</i> , 2001, 31, 647-654.	2.9	35
6	Electrochemical instability of Ag/Sb co-deposition coupled with a magnetohydrodynamic flow. <i>Chemical Physics Letters</i> , 1998, 294, 204-208.	2.6	33
7	Electrodeposition of silver-tin alloys from pyrophosphate-cyanide electrolytes. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 989-994.	2.9	26
8	Pattern formation during electrodeposition of indium-cobalt alloys. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3449-3456.	2.5	24
9	Effect of electrolysis conditions on the deposition of silver-bismuth alloys. <i>Journal of Applied Electrochemistry</i> , 2003, 33, 1199-1204.	2.9	21
10	Phase identification in electrodeposited Ag-Cd alloys by anodic linear sweep voltammetry and X-ray diffraction techniques. <i>Electrochimica Acta</i> , 2011, 56, 4344-4350.	5.2	20
11	Pattern formation during electrodeposition of alloys. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 481-488.	2.5	20
12	Effect of the electrolyte composition on In and Ag-In alloy electrodeposition from cyanide electrolytes. <i>Journal of Applied Electrochemistry</i> , 2005, 35, 1245-1251.	2.9	19
13	Two-dimensional progressive and instantaneous nucleation with overlap: The case of multi-step electrochemical reactions. <i>Electrochimica Acta</i> , 2011, 56, 2399-2403.	5.2	19
14	Oscillations and spatio-temporal structures during electrodeposition of AgCd alloys. <i>Electrochimica Acta</i> , 2012, 79, 162-169.	5.2	19
15	Title is missing!. <i>Journal of Applied Electrochemistry</i> , 2002, 32, 811-818.	2.9	17
16	A cyclic voltammetric study of ferrocyanide-thiocyanate silver electrodeposition electrolyte. <i>Journal of Applied Electrochemistry</i> , 2001, 31, 1041-1047.	2.9	15
17	Properties of silver-indium alloys electrodeposited from cyanide electrolytes. <i>Electrochimica Acta</i> , 2009, 54, 2515-2521.	5.2	15
18	Intermetallics as key to spiral formation in In-Co electrodeposition. A study based on photoelectron microspectroscopy, mathematical modelling and numerical approximations. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 395502.	2.8	14

#	ARTICLE	IF	CITATIONS
19	Pattern Formation in Electrodeposited Silver-Cadmium Alloys. ECS Transactions, 2010, 25, 1-9.	0.5	13
20	Properties of silver-tin alloys obtained from pyrophosphate-cyanide electrolytes containing EDTA salts. Journal of Applied Electrochemistry, 2010, 40, 2145-2151.	2.9	13
21	Phase composition of electrodeposited silver-indium alloys. Journal of Solid State Electrochemistry, 2008, 12, 1461-1467.	2.5	11
22	Properties of electrodeposited silver-cobalt coatings. Journal of Applied Electrochemistry, 2011, 41, 1397-1406.	2.9	11
23	Spiral waves on the sphere for an alloy electrodeposition model. Communications in Nonlinear Science and Numerical Simulation, 2019, 79, 104930.	3.3	11
24	Electrodeposition and properties of cyclically modulated silver-antimony alloys. Journal of Applied Electrochemistry, 2002, 32, 1141-1149.	2.9	9
25	Self-organized spatio-temporal micropatterning in ferromagnetic Co-In films. Journal of Materials Chemistry C, 2014, 2, 8259-8269.	5.5	9
26	Electrodeposition of silver-indium alloy from cyanide-hydroxide electrolytes. Russian Journal of Electrochemistry, 2008, 44, 676-682.	0.9	8
27	Colliding Spiral Waves Propagating on the Electrode. Chemistry Letters, 2000, 29, 88-89.	1.3	7
28	Characterization of electrodeposited Cd-Co alloy coatings by anodic linear sweep voltammetry. Electrochimica Acta, 2009, 54, 7565-7572.	5.2	7
29	Depth-Dependent Scanning Photoelectron Microspectroscopy Unravels the Mechanism of Dynamic Pattern Formation in Alloy Electrodeposition. Journal of Physical Chemistry C, 2018, 122, 15996-16007.	3.1	7
30	In situ stress measurements during electrodeposition of Ag-Sb and Pt-Co alloy multilayers. Journal of Physics Condensed Matter, 1999, 11, 10033-10040.	1.8	6
31	Pattern formation during electrodeposition of copper-antimony alloys. Journal of Electrochemical Science and Engineering, 2016, 6, 105.	3.5	6
32	Internal stress in multilayer silver-bismuth coatings. Journal of Applied Electrochemistry, 2005, 35, 539-544.	2.9	4
33	Self - Organization Phenomena During Electrodeposition of Co - In Alloys. ECS Transactions, 2011, 36, 275-281.	0.5	4
34	Self-Organization Phenomena During Electrodeposition of Ag-In Alloys. ECS Transactions, 2011, 36, 239-245.	0.5	3
35	Spatially Resolved XPS Characterization of Electrochemical Surfaces. Surfaces, 2019, 2, 295-314.	2.3	3
36	Periodic Nanostructures. , 2017, , .		0