

Evangelia A Pavlatou

List of Publications by Citations

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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.

47
papers

1,560
citations

21
h-index

39
g-index

47
ext. papers

1,699
ext. citations

4.6
avg, IF

4.5
L-index

#	Paper	IF	Citations
47	Hardening effect induced by incorporation of SiC particles in nickel electrodeposits. <i>Journal of Applied Electrochemistry</i> , 2006 , 36, 385-394	2.6	181
46	Effect of pulse electrodeposition parameters on the properties of Ni/nano-SiC composites. <i>Applied Surface Science</i> , 2008 , 254, 5910-5916	6.7	170
45	Tribological study of Ni matrix composite coatings containing nano and micro SiC particles. <i>Electrochimica Acta</i> , 2005 , 50, 4544-4550	6.7	137
44	Codeposition of ultrafine WC particles in Ni matrix composite electrocoatings. <i>Surface and Coatings Technology</i> , 2005 , 195, 325-332	4.4	123
43	Ni/nano-TiO ₂ composite electrodeposits: Textural and structural modifications. <i>Electrochimica Acta</i> , 2009 , 54, 2547-2555	6.7	92
42	3D visualization types in multimedia applications for science learning: A case study for 8th grade students in Greece. <i>Computers and Education</i> , 2009 , 52, 390-401	9.5	71
41	Synergistic effect of 2-butyne-1,4-diol and pulse plating on the structure and properties of nickel nanocrystalline deposits. <i>Surface and Coatings Technology</i> , 2007 , 201, 4571-4577	4.4	66
40	Pulse electrodeposition of Ni matrix composite coatings reinforced by SiC particles. <i>Journal of Alloys and Compounds</i> , 2010 , 494, 396-403	5.7	59
39	The interpretation of vibrational spectra of ionic melts. <i>Journal of Chemical Physics</i> , 1997 , 107, 10446-10457	4.57	57
38	Electrodeposition of Ni/SiC Composites by Pulse Electrolysis. <i>Transactions of the Institute of Metal Finishing</i> , 2002 , 80, 88-91	1.3	51
37	Synthesis of Biscoumarins Using Recyclable and Biodegradable Task-Specific Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 1180-1185	8.3	50
36	Pulse electrodeposition of Ni/nano-TiO ₂ composites: effect of pulse frequency on deposits properties. <i>Journal of Applied Electrochemistry</i> , 2010 , 40, 1325-1336	2.6	44
35	Effect of nanostructured TiO ₂ crystal phase on photoinduced apoptosis of breast cancer epithelial cells. <i>International Journal of Nanomedicine</i> , 2014 , 9, 3219-30	7.3	37
34	Dynamic light scattering study of ionic KNO ₃ /Ca(NO ₃) ₂ mixtures. <i>Journal of Chemical Physics</i> , 1991 , 94, 224-232	3.9	34
33	Evaluation of modified mineral performance for chromate sorption from aqueous solutions. <i>Chemical Engineering Journal</i> , 2012 , 211-212, 77-88	14.7	32
32	Photocatalytic oxidation of nitrogen oxides on N-F-doped titania thin films. <i>Applied Catalysis B: Environmental</i> , 2013 , 140-141, 619-625	21.8	29
31	Self cleaning behaviour of Ni/nano-TiO ₂ metal matrix composites. <i>Electrochimica Acta</i> , 2013 , 105, 324-332	3.27	28

30	The effect of heat treatment on the structure and hardness of pulse electrodeposited NiPWC composite coatings. <i>Electrochimica Acta</i> , 2009 , 54, 2563-2570	6.7	27
29	Isotropic and anisotropic Raman scattering from molten LiCl ₂ Cl mixtures: Composition and temperature effects. <i>Journal of Chemical Physics</i> , 1996 , 105, 2660-2667	3.9	23
28	Nickel and nickel-phosphorous matrix composite electrocoatings. <i>Transactions of Nonferrous Metals Society of China</i> , 2009 , 19, 800-804	3.3	21
27	Nickel Matrix Composite Coatings: Application in Textile Machinery and Evaluation of Cotton Products Quality. <i>Transactions of the Institute of Metal Finishing</i> , 2000 , 78, 223-226	1.3	21
26	Ionic interactions in molten complex chlorides from vibrational dephasing. <i>Journal of Chemical Physics</i> , 2001 , 114, 3683-3691	3.9	20
25	Instantaneous collision complexes in molten alkali halides: Picosecond dynamics from low-frequency Raman data. <i>Journal of Chemical Physics</i> , 2002 , 116, 9341-9351	3.9	18
24	Development of Smart Composites Based on Doped-TiO Nanoparticles with Visible Light Anticancer Properties. <i>Materials</i> , 2019 , 12,	3.5	17
23	Raman spectroscopic study of BeCl ₂ in the crystalline, glassy and liquid states and of molten BeCl ₂ Cl mixtures. <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 1035-1043	3.6	17
22	Temperature and Pressure Dependence of Raman Scattering in Amorphous GeS ₂ . <i>Physica Status Solidi (B): Basic Research</i> , 1999 , 211, 421-427	1.3	17
21	Influence of pulse plating conditions on the structure and properties of pure and composite nickel nanocrystalline coatings. <i>Russian Journal of Electrochemistry</i> , 2008 , 44, 745-754	1.2	15
20	Computer-based assessment of student performance in programming courses. <i>Computer Applications in Engineering Education</i> , 2013 , 21, 671-683	1.6	14
19	Nickel/MWCNT-Al ₂ O ₃ electrochemical co-deposition: Structural properties and mechanistic aspects. <i>Electrochimica Acta</i> , 2016 , 207, 76-86	6.7	13
18	Nanomedicine: Photo-activated nanostructured titanium dioxide, as a promising anticancer agent. <i>Pharmacology & Therapeutics</i> , 2021 , 222, 107795	13.9	12
17	Establishing the gas phase dimerization of niobium(V) fluoride and tantalum(V) fluoride by quantitative Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2005 , 37, 133-139	2.1	10
16	Cr(VI) removal from aqueous solutions using aluminosilicate minerals in their Pb-exchanged forms. <i>Applied Clay Science</i> , 2017 , 147, 54-62	5.2	7
15	Ni/nano-TiO ₂ Composite Electrocoatings: Correlation Between Structural Characteristics Microhardness and Wear Resistance. <i>Zeitschrift Fur Physikalische Chemie</i> , 2011 , 225, 313-324	3.1	6
14	Embedding of hybrid MWCNT-Al ₂ O ₃ particles in Ni matrix: Structural, tribological and corrosion studies. <i>Surface and Coatings Technology</i> , 2018 , 350, 672-685	4.4	5
13	DEVELOPMENT, VALIDATION, AND USE OF A GREEK-LANGUAGE QUESTIONNAIRE FOR ASSESSING LEARNING ENVIRONMENTS IN GRADE 10 CHEMISTRY CLASSES. <i>International Journal of Science and Mathematics Education</i> , 2010 , 8, 761-782	1.7	5

12	Regeneration of HDTMA-modified minerals after sorption with chromate anions. <i>Desalination and Water Treatment</i> , 2016 , 1-10		4
11	Effects of cis-2-butene-1,4-diol additive and pulse current imposition on production of Ni nanocrystalline coatings. <i>Transactions of the Institute of Metal Finishing</i> , 2012 , 90, 267-273	1.3	4
10	Electrodeposition of Photocatalytic Sn ₂ Li Matrix Composite Coatings Embedded with Doped TiO ₂ Particles. <i>Coatings</i> , 2020 , 10, 775	2.9	4
9	Recent Advances in Covalent Organic Frameworks for Heavy Metal Removal Applications. <i>Energies</i> , 2021 , 14, 3197	3.1	4
8	Electrodeposition and characterization of electroplated Ni/Graphene composite coatings. <i>Materials Today: Proceedings</i> , 2018 , 5, 27653-27661	1.4	4
7	Survey Exploring Views of Scientists on Current Trends in Chemistry Education. <i>Science and Education</i> , 2010 , 19, 119-145	2.1	3
6	Using cartoons agents and 3D visualizations based on HTML5 for improving learning in crystal structures in engineers. <i>Computer Applications in Engineering Education</i> , 2020 , 28, 5-16	1.6	2
5	Teaching Chemistry with Arduino Experiments in a Mixed Virtual-Physical Learning Environment. <i>Journal of Science Education and Technology</i> , 2021 , 30, 1-17	2.8	2
4	Biological Effect of Silver-modified Nanostructured Titanium Dioxide in Cancer. <i>Cancer Genomics and Proteomics</i> , 2021 , 18, 425-439	3.3	2
3	A typology of chemistry classroom environments: Exploring the relationships between 10th grade students' perceptions, attitudes and gender. <i>Learning Environments Research</i> , 2013 , 16, 349-366	2.1	1
2	Dynamic light scattering and low-frequency Raman scattering study of ionic KNO ₃ - Ca(NO ₃) ₂ mixtures. <i>Journal of Non-Crystalline Solids</i> , 1991 , 131-133, 88-91	3.9	1
1	Exploring learning outcomes of science experiments using physical instrument and substances assisted by digital entities. <i>Interactive Learning Environments</i> , 1-17	3.1	