

# Silvia Franz

## List of Publications by Year in descending order

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29  
papers

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citations

686830

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610482

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docs citations

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times ranked

695  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoelectrocatalysis on TiO <sub>2</sub> meshes: different applications in the integrated urban water management. <i>Environmental Science and Pollution Research</i> , 2021, 28, 59452-59461.	2.7	18
2	Efficiency and Energy Demand in Polishing Treatment of Wastewater Treatment Plants Effluents: Photoelectrocatalysis vs. Photocatalysis and Photolysis. <i>Water (Switzerland)</i> , 2021, 13, 821.	1.2	9
3	Improving the Corrosion Resistance of Wrought ZM21 Magnesium Alloys by Plasma Electrolytic Oxidation and Powder Coating. <i>Materials</i> , 2021, 14, 2268.	1.3	8
4	Synthesis and Characterization of Ti-Nb Alloy Films Obtained by Magnetron Sputtering and Low-Energy High-Current Electron Beam Treatment. <i>Materials</i> , 2021, 14, 3238.	1.3	2
5	Surface properties modification of magnesium alloys by low energy high current pulsed electron beam. <i>Surface and Coatings Technology</i> , 2021, 420, 127351.	2.2	15
6	Decolorization and biodegradability of a real pharmaceutical wastewater treated by H <sub>2</sub> O <sub>2</sub> -assisted photoelectrocatalysis on TiO <sub>2</sub> meshes. <i>Journal of Hazardous Materials</i> , 2020, 387, 121668.	6.5	53
7	Single-Step Preparation of Large Area TiO <sub>2</sub> Photoelectrodes for Water Splitting. <i>Advanced Energy Materials</i> , 2020, 10, 2000652.	10.2	40
8	Ni-Doped Titanium Dioxide Films Obtained by Plasma Electrolytic Oxidation in Refrigerated Electrolytes. <i>Surfaces</i> , 2020, 3, 168-181.	1.0	7
9	Exploiting Direct Current Plasma Electrolytic Oxidation to Boost Photoelectrocatalysis. <i>Catalysts</i> , 2020, 10, 325.	1.6	13
10	Degradation of Carbamazepine by Photo(electro)catalysis on Nanostructured TiO <sub>2</sub> Meshes: Transformation Products and Reaction Pathways. <i>Catalysts</i> , 2020, 10, 169.	1.6	42
11	Chromium films deposition by hot target high power pulsed magnetron sputtering: Deposition conditions and film properties. <i>Surface and Coatings Technology</i> , 2019, 375, 352-362.	2.2	19
12	Deposition of Cr films by hot target magnetron sputtering on biased substrates. <i>Surface and Coatings Technology</i> , 2018, 350, 560-568.	2.2	11
13	Calculation of Uniform Corrosion Current Density of Iron in Hydrochloric Acid Solutions based on the Principle of Maximum Entropy Production Rate Applied to Literature Data. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2018, 54, 673-679.	0.3	2
14	Photoactive TiO <sub>2</sub> coatings obtained by Plasma Electrolytic Oxidation in refrigerated electrolytes. <i>Applied Surface Science</i> , 2016, 385, 498-505.	3.1	38
15	High-temperature stable anatase-type TiO <sub>2</sub> nanotube arrays: A study of the structure-activity relationship. <i>Applied Catalysis B: Environmental</i> , 2016, 185, 119-132.	10.8	59
16	Nanopillar array film of cellular cobalt by wet etching of the grain boundaries. <i>Materials Letters</i> , 2015, 141, 172-175.	1.3	3
17	Photoelectrochemical advanced oxidation processes on nanostructured TiO <sub>2</sub> catalysts: Decolorization of a textile azo-dye. <i>Journal of Water Chemistry and Technology</i> , 2015, 37, 108-115.	0.2	35
18	Electrodeposition of Fe-Ga thin films from eutectic-based ionic liquid. <i>Electrochimica Acta</i> , 2013, 114, 878-888.	2.6	12

#	ARTICLE	IF	CITATIONS
19	Engineered fabrication of ordered arrays of Au@Ni@Au nanowires. <i>Nanotechnology</i> , 2013, 24, 045302.	1.3	12
20	Electrodeposition of hexagonal Co nanowires with large magnetocrystalline anisotropy. <i>Electrochimica Acta</i> , 2012, 85, 57-65.	2.6	43
21	Electrodeposition of nanostructured columnar cobalt for self-lubricant coatings. <i>Electrochimica Acta</i> , 2011, 56, 9644-9651.	2.6	17
22	Nucleation and Growth of Electrodeposited Cobalt onto Si/Cu(111) Substrate. <i>ECS Transactions</i> , 2010, 25, 135-148.	0.3	2
23	Influence of Magnetic Fields on Autocatalytic Deposition of Co@Fe Thin Films. <i>Journal of the Electrochemical Society</i> , 2010, 157, D437.	1.3	4
24	Fundamental aspects and applications of electrodeposited nanostructured metals. <i>Pure and Applied Chemistry</i> , 2010, 83, 281-294.	0.9	11
25	Structure of nanotubular titanium oxide templates prepared by electrochemical anodization in H <sub>2</sub> SO <sub>4</sub> /HF solutions. <i>Thin Solid Films</i> , 2007, 515, 5253-5258.	0.8	44
26	Co@Pt thin films for magnetic recording by ECD from acidic electrolytes. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e173-e176.	1.0	8
27	Electroless Deposition of Ultra-Thin Co-Fe Films. <i>ECS Transactions</i> , 2006, 3, 81-90.	0.3	1
28	Microelectrodeposition of Co@Pt alloys for micromagnetic applications. <i>Electrochimica Acta</i> , 2003, 48, 3013-3020.	2.6	36
29	Electrodeposition of micromagnets of CoPtW(P) alloys. <i>Microelectronic Engineering</i> , 2002, 64, 487-494.	1.1	13