Gregor Å¾erjav

List of Publications by Year
in descending order

35 papers	944 citations	516710 16 h-index	454955 30 g-index
35 all docs	35 docs citations	35 times ranked	1155 citing authors

#	Article	IF	Citations
1	Azine- and imine-linked conjugated polyHIPEs through Schiff-base condensation reaction. Polymer Chemistry, 2022, 13, 474-478.	3.9	8
2	Effect of Au loading on Schottky barrier height in TiO2Â+ÂAu plasmonic photocatalysts. Applied Surface Science, 2022, 579, 152196.	6.1	26
3	The influence of synthesis conditions on the visible-light triggered photocatalytic activity of g-C3N4/TiO2 composites used in AOPs. Journal of Environmental Chemical Engineering, 2022, 10, 107656.	6.7	15
4	Brookite vs. rutile vs. anatase: What`s behind their various photocatalytic activities?. Journal of Environmental Chemical Engineering, 2022, 10, 107722.	6.7	52
5	TiO2-Î²-Bi2O3 junction as a leverage for the visible-light activity of TiO2 based catalyst used for environmental applications. Catalysis Today, 2021, 361, 165-175.	4.4	23
6	Tunable poly(aryleneethynylene) networks prepared by emulsion templating for visible-light-driven photocatalysis. Catalysis Today, 2021, 361, 146-151.	4.4	9
7	Catalytic ozonation of an azo-dye using a natural aluminosilicate. Catalysis Today, 2021, 361, 24-29.	4.4	16
8	Evaluation of low-cost geo-adsorbents for As(V) removal. Environmental Technology and Innovation, 2021, 21, 101341.	6.1	4
9	The influence of Schottky barrier height onto visible-light triggered photocatalytic activity of TiO2Â+ÂAu composites. Applied Surface Science, 2021, 543, 148799.	6.1	22
10	Photocatalytic degradation of imidacloprid in the flat-plate photoreactor under UVA and simulated solar irradiance conditionsâ€"The influence of operating conditions, kinetics and degradation pathway. Journal of Environmental Chemical Engineering, 2021, 9, 105611.	6.7	29
11	Highly Porous Poly(arylene cyano-vinylene) Beads Derived through the Knoevenagel Condensation of the Oil-in-Oil-in-Oil Double Emulsion Templates. ACS Macro Letters, 2021, 10, 1248-1253.	4.8	8
12	Nanostructured composites based on Bi and Ti mixed oxides for visible-light assisted heterogeneous photocatalysis. , 2021, , 397-407.		0
13	Exploring the effect of morphology and surface properties of nanoshaped Pd/CeO2 catalysts on CO2 hydrogenation to methanol. Applied Catalysis A: General, 2021, 627, 118394.	4.3	22
14	Sputtered vs. sol-gel TiO2-doped films: Characterization and assessment of aqueous bisphenol A oxidation under UV and visible light radiation. Catalysis Today, 2020, 357, 380-391.	4.4	15
15	Influence of TiO2 Morphology and Crystallinity on Visible-Light Photocatalytic Activity of TiO2-Bi2O3 Composite in AOPs. Catalysts, 2020, 10, 395.	3.5	7
16	Revisiting terephthalic acid and coumarin as probes for photoluminescent determination of hydroxyl radical formation rate in heterogeneous photocatalysis. Applied Catalysis A: General, 2020, 598, 117566.	4.3	63
17	Effect of Surface Chemistry and Crystallographic Parameters of TiO2 Anatase Nanocrystals on Photocatalytic Degradation of Bisphenol A. Catalysts, 2019, 9, 447.	3.5	8
18	Hierarchically structured TiO2-based composites for Fenton-type oxidation processes. Journal of Environmental Management, 2019, 236, 591-602.	7.8	7

#	Article	IF	Citations
19	Synthesis and adsorption behavior of mesoporous alumina and Fe-doped alumina for the removal of dominant arsenic species in contaminated waters. Journal of Environmental Chemical Engineering, 2019, 7, 102901.	6.7	50
20	TiO2-Bi2O3/(BiO)2CO3-reduced graphene oxide composite as an effective visible light photocatalyst for degradation of aqueous bisphenol A solutions. Catalysis Today, 2018, 315, 237-246.	4.4	35
21	Screening of catalytic activity of natural iron-bearing materials towards the Catalytic Wet Peroxide Oxidation of Orange II. Journal of Environmental Chemical Engineering, 2018, 6, 2027-2040.	6.7	13
22	Catalytic wet air oxidation of bisphenol A aqueous solution in trickle-bed reactor over single TiO2 polymorphs and their mixtures. Journal of Environmental Chemical Engineering, 2018, 6, 2148-2158.	6.7	12
23	Alkali and earth alkali modified CuOx/SiO2 catalysts for propylene partial oxidation: What determines the selectivity?. Applied Catalysis B: Environmental, 2018, 237, 214-227.	20.2	32
24	Influence of temperature and different hydroxides on properties of activated carbon prepared from saccharose. Characterization, thermal degradation kinetic and dyes removal from water solutions. Science of Sintering, 2018, 50, 255-273.	1.4	3
25	Characterization of selfâ€assembled layers made with stearic acid, benzotriazole, or 2â€mercaptobenzimidazole on surface of copper for corrosion protection in simulated urban rain. Materials and Corrosion - Werkstoffe Und Korrosion, 2017, 68, 30-41.	1.5	16
26	Electron trapping energy states of TiO 2 â€“ WO 3 composites and their influence on photocatalytic degradation of bisphenol A. Applied Catalysis B: Environmental, 2017, 209, 273-284.	20.2	59
27	Improved electronâ€“hole separation and migration in anatase TiO₂ nanorod/reduced graphene oxide composites and their influence on photocatalytic performance. Nanoscale, 2017, 9, 4578-4592.	5.6	81
28	Modified diatomites for Fenton-like oxidation of phenol. Microporous and Mesoporous Materials, 2017, 239, 396-408.	4.4	29
29	Corrosion protection of brasses and zinc in simulated urban rain. Part II. The combination of inhibitors benzotriazole and 2â€mercaptobenzimidazole with stearic acid. Materials and Corrosion - Werkstoffe Und Korrosion, 2016, 67, 92-103.	1.5	12
30	Corrosion protection of brasses and zinc in simulated urban rain. Materials and Corrosion - Werkstoffe Und Korrosion, 2015, 66, 1402-1413.	1.5	7
31	Protection of copper against corrosion in simulated urban rain by the combined action of benzotriazole, 2-mercaptobenzimidazole and stearic acid. Corrosion Science, 2015, 98, 180-191.	6.6	74
32	Corrosion resistance of high-level-hydrophobic layers in combination with Vitamin E â€“ (Î±-tocopherol) as green inhibitor. Corrosion Science, 2015, 97, 7-16.	6.6	66
33	Quaternary Tiâ€“20Nbâ€“10Zrâ€“5Ta alloy during immersion in simulated physiological solutions: formation of layers, dissolution and biocompatibility. Journal of Materials Science: Materials in Medicine, 2014, 25, 1099-1114.	3.6	13
34	Structural Analysis, Electrochemical Behavior, and Biocompatibility of Novel Quaternary Titanium Alloy with near Î² Structure. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 3130-3143.	2.2	7
35	Electrochemical properties, chemical composition and thickness of passive film formed on novel Tiâ€“20Nbâ€“10Zrâ€“5Ta alloy. Electrochimica Acta, 2013, 99, 176-189.	5.2	101