

Ai Kulak

List of Publications by Year in descending order

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24
papers

644
citations

623734

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642732

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24
all docs

24
docs citations

24
times ranked

875
citing authors

#	ARTICLE	IF	CITATIONS
1	Photodestruction of dichloroacetic acid catalyzed by nano-sized TiO ₂ particles. Applied Catalysis B: Environmental, 2002, 36, 161-169.	20.2	140
2	Photoelectrochemical properties of bismuth oxyhalide films. Electrochimica Acta, 1990, 35, 1941-1947.	5.2	81
3	Effect of electron and hole acceptors on the photoelectrochemical behaviour of nanocrystalline microporous TiO ₂ electrodes. Journal of Electroanalytical Chemistry, 1998, 442, 99-105.	3.8	54
4	Photoluminescence and electroluminescence at the TiO ₂ /electrolyte interface. Journal of Electroanalytical Chemistry, 1992, 340, 73-97.	3.8	49
5	Characterization and photoelectrochemical properties of nanocrystalline In ₂ O ₃ film electrodes. Electrochimica Acta, 2000, 45, 1595-1605.	5.2	43
6	Electrochemical oxidation of titanium by pulsed discharge in electrolyte. Journal of Electroanalytical Chemistry, 2005, 579, 299-310.	3.8	35
7	Enhancement of sonoluminescence emission from a multibubble cavitation zone. Ultrasonics Sonochemistry, 2000, 7, 19-24.	8.2	32
8	Photocurrent switching effect on platelet-like BiOI electrodes: influence of redox system, light wavelength and thermal treatment. Electrochimica Acta, 2016, 190, 612-619.	5.2	27
9	Electroluminescent method for determining hydrogen peroxide and peroxydisulphate ions in aqueous solution using TiO film electrodes. Talanta, 1996, 43, 1607-1613.	5.5	23
10	Integrating photoelectrochemical semiconductor sensor for sulphide ion determination. Sensors and Actuators B: Chemical, 2001, 76, 556-559.	7.8	23
11	Impedance behaviour of anodic TiO ₂ films prepared by galvanostatic anodisation and powerful pulsed discharge in electrolyte. Electrochimica Acta, 2012, 76, 453-461.	5.2	21
12	Band-gap and sub-band-gap photoelectrochemical processes at nanocrystalline CdS grown on ZnO by successive ionic layer adsorption and reaction method. Thin Solid Films, 2015, 589, 145-152.	1.8	19
13	SnO ₂ /reduced graphene oxide composite films for electrochemical applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 202, 61-67.	3.5	17
14	Cavitation phenomena in pulse modulated ultrasound fields. Ultrasonics, 1998, 36, 569-574.	3.9	14
15	An electroluminescence optical sensor system based on TiO ₂ film electrodes for continuous measurement of H ₂ O ₂ concentration in solution. Sensors and Actuators B: Chemical, 1994, 22, 97-100.	7.8	12
16	Photoelectrochemical and Raman characterization of nanocrystalline CdS grown on ZnO by successive ionic layer adsorption and reaction method. Thin Solid Films, 2014, 562, 56-62.	1.8	12
17	Hole diffusion transport and photocurrent generation in the degenerate n-CdO/electrolyte junction. Solid State Communications, 1990, 76, 65-68.	1.9	10
18	Ultrasound fibrin clot destruction in vitro in the presence of fibrinolytic agent. Ultrasonics Sonochemistry, 2001, 8, 315-318.	8.2	10

#	ARTICLE	IF	CITATIONS
19	The effect of ultrasonic cavitation on model electrochemical processes. Ultrasonics, 1996, 34, 551-553.	3.9	7
20	Crystal stacking: A route to control photoelectrochemical behavior of BiOBr films. Electrochimica Acta, 2018, 290, 63-71.	5.2	5
21	Photoelectrochemical determination of minority-carrier diffusion length and energy band gap in heavily-doped semiconductorsâ€™I. Hole diffusion transport in degenerate n-CdO. Journal of Physics and Chemistry of Solids, 1994, 55, 211-217.	4.0	4
22	Photoelectrochemical determination of bandgap energy in surface layers formed on semiconductor electrodes. Electrochimica Acta, 1995, 40, 1761-1767.	5.2	4
23	Photoelectrochemical determination of minority-carrier diffusion length and energy band gap in heavily doped semiconductorsâ€™II. Interband optical transitions in degenerate n-CdO. Journal of Physics and Chemistry of Solids, 1994, 55, 447-451.	4.0	2
24	NOVEL METHOD OF PREPARING TRANSPARENT THIN FILMS OF Pb(Zr_{1-x}Ti_x)O₃ USING SOL-GEL PROCESS. , 1997, , .		0