

Ai Kulak

List of Publications by Year in descending order

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875
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#	ARTICLE	IF	CITATIONS
1	Crystal stacking: A route to control photoelectrochemical behavior of BiOBr films. <i>Electrochimica Acta</i> , 2018, 290, 63-71.	5.2	5
2	Photocurrent switching effect on platelet-like BiOI electrodes: influence of redox system, light wavelength and thermal treatment. <i>Electrochimica Acta</i> , 2016, 190, 612-619.	5.2	27
3	Band-gap and sub-band-gap photoelectrochemical processes at nanocrystalline CdS grown on ZnO by successive ionic layer adsorption and reaction method. <i>Thin Solid Films</i> , 2015, 589, 145-152.	1.8	19
4	SnO ₂ /reduced graphene oxide composite films for electrochemical applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 202, 61-67.	3.5	17
5	Photoelectrochemical and Raman characterization of nanocrystalline CdS grown on ZnO by successive ionic layer adsorption and reaction method. <i>Thin Solid Films</i> , 2014, 562, 56-62.	1.8	12
6	Impedance behaviour of anodic TiO ₂ films prepared by galvanostatic anodisation and powerful pulsed discharge in electrolyte. <i>Electrochimica Acta</i> , 2012, 76, 453-461.	5.2	21
7	Electrochemical oxidation of titanium by pulsed discharge in electrolyte. <i>Journal of Electroanalytical Chemistry</i> , 2005, 579, 299-310.	3.8	35
8	Photodestruction of dichloroacetic acid catalyzed by nano-sized TiO ₂ particles. <i>Applied Catalysis B: Environmental</i> , 2002, 36, 161-169.	20.2	140
9	Ultrasound fibrin clot destruction in vitro in the presence of fibrinolytic agent. <i>Ultrasonics Sonochemistry</i> , 2001, 8, 315-318.	8.2	10
10	Integrating photoelectrochemical semiconductor sensor for sulphide ion determination. <i>Sensors and Actuators B: Chemical</i> , 2001, 76, 556-559.	7.8	23
11	Characterization and photoelectrochemical properties of nanocrystalline In ₂ O ₃ film electrodes. <i>Electrochimica Acta</i> , 2000, 45, 1595-1605.	5.2	43
12	Enhancement of sonoluminescence emission from a multibubble cavitation zone. <i>Ultrasonics Sonochemistry</i> , 2000, 7, 19-24.	8.2	32
13	Cavitation phenomena in pulse modulated ultrasound fields. <i>Ultrasonics</i> , 1998, 36, 569-574.	3.9	14
14	Effect of electron and hole acceptors on the photoelectrochemical behaviour of nanocrystalline microporous TiO ₂ electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1998, 442, 99-105.	3.8	54
15	NOVEL METHOD OF PREPARING TRANSPARENT THIN FILMS OF Pb(Zr _{1-x} Ti _x)O ₃ USING SOL-GEL PROCESS. , 1997, , .		0
16	Electroluminescent method for determining hydrogen peroxide and peroxydisulphate ions in aqueous solution using TiO film electrodes. <i>Talanta</i> , 1996, 43, 1607-1613.	5.5	23
17	The effect of ultrasonic cavitation on model electrochemical processes. <i>Ultrasonics</i> , 1996, 34, 551-553.	3.9	7
18	Photoelectrochemical determination of bandgap energy in surface layers formed on semiconductor electrodes. <i>Electrochimica Acta</i> , 1995, 40, 1761-1767.	5.2	4

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19	An electroluminescence optical sensor system based on TiO ₂ film electrodes for continuous measurement of H ₂ O ₂ concentration in solution. <i>Sensors and Actuators B: Chemical</i> , 1994, 22, 97-100.	7.8	12
20	Photoelectrochemical determination of minority-carrier diffusion length and energy band gap in heavily-doped semiconductors ^{II} . Hole diffusion transport in degenerate n-CdO. <i>Journal of Physics and Chemistry of Solids</i> , 1994, 55, 211-217.	4.0	4
21	Photoelectrochemical determination of minority-carrier diffusion length and energy band gap in heavily doped semiconductors ^{II} . Interband optical transitions in degenerate n-CdO. <i>Journal of Physics and Chemistry of Solids</i> , 1994, 55, 447-451.	4.0	2
22	Photoluminescence and electroluminescence at the TiO ₂ /electrolyte interface. <i>Journal of Electroanalytical Chemistry</i> , 1992, 340, 73-97.	3.8	49
23	Photoelectrochemical properties of bismuth oxyhalide films. <i>Electrochimica Acta</i> , 1990, 35, 1941-1947.	5.2	81
24	Hole diffusion transport and photocurrent generation in the degenerate n-CdO/electrolyte junction. <i>Solid State Communications</i> , 1990, 76, 65-68.	1.9	10