

Farid A Harraz

List of Publications by Year in descending order

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162
papers

5,835
citations

66343

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102487

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all docs

162
docs citations

162
times ranked

5773
citing authors

#	ARTICLE	IF	CITATIONS
1	Au nanoparticles decorated polypyrrole-carbon black/g-C ₃ N ₄ nanocomposite as ultrafast and efficient visible light photocatalyst. <i>Chemosphere</i> , 2022, 287, 131984.	8.2	41
2	Development of an amperometric biosensor for dopamine using novel mesoporous silicon nanoparticles fabricated via a facile stain etching approach. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2022, 135, 114952.	2.7	21
3	Alpha particles detection using P3HT conducting polymer-coated DAM-ADC. <i>Radiation Physics and Chemistry</i> , 2022, 190, 109820.	2.8	0
4	Peptide Assembled in a Nano-confined Space as a Molecular Rectifier for the Availability of Ionic Current Modulation. <i>Nano Letters</i> , 2022, 22, 1083-1090.	9.1	14
5	Review on Electrochemical Sensing of Triclosan using Nanostructured Semiconductor Materials. <i>ChemElectroChem</i> , 2022, 9, .	3.4	8
6	Comprehensive Analysis of Spinel-Type Mixed Metal Oxide-Functionalized Polysulfone Membranes toward Fouling Resistance and Dye and Natural Organic Matter Removal. <i>ACS Omega</i> , 2022, 7, 4859-4867.	3.5	5
7	Super Bonding Strength of Al ₂ O ₃ Nanoparticles Reinforced Sn Interlayer Steel/Aluminum Bimetal Casting. <i>Crystals</i> , 2022, 12, 324.	2.2	3
8	Ag nanoparticles-polypyrrole-carbon black/mesoporous TiO ₂ novel nanocomposite as ultrafast visible-light-driven photocatalyst. <i>Ceramics International</i> , 2022, 48, 16997-17008.	4.8	8
9	Highly sensitive and selective non-enzymatic uric acid electrochemical sensor based on novel polypyrrole-carbon black-Co ₃ O ₄ nanocomposite. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 920-933.	21.1	39
10	Nitrogenated Graphene Oxide-Decorated Metal Sulfides for Better Antifouling and Dye Removal. <i>ACS Omega</i> , 2022, 7, 9674-9683.	3.5	8
11	Ag nanoparticle-decorated chitosan/SrSnO ₃ nanocomposite for ultrafast elimination of antibiotic linezolid and methylene blue. <i>Environmental Science and Pollution Research</i> , 2022, 29, 52900-52914.	5.3	3
12	Surface-enhanced Raman scattering (SERS) active substrate from gold nanoparticle-coated porous silicon for sensitive detection of horseradish peroxidase enzyme. <i>Materials Chemistry and Physics</i> , 2022, 281, 125931.	4.0	4
13	Pt nanoparticles decorated chitosan/ZnTiO ₃ : Ternary visible-light photocatalyst for ultrafast treatment of insecticide imidacloprid and methylene blue. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 133, 104266.	5.3	17
14	Highly sensitive and selective thiourea electrochemical sensor based on novel silver nanoparticles/chitosan nanocomposite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 644, 128879.	4.7	20
15	Biomass-derived carbon decorated by gold nanoparticles as efficient methanol electrochemical sensor. <i>Materials Science in Semiconductor Processing</i> , 2022, 146, 106693.	4.0	10
16	Highly sensitive and selective amperometric hydrazine sensor based on Au nanoparticle-decorated conducting polythiophene prepared via oxidative polymerization and photo-reduction techniques. <i>Journal of Saudi Chemical Society</i> , 2022, 26, 101480.	5.2	18
17	Simple Synthesis and Characterization of Novel Polyvinyl Alcohol Capped Sodium Selenite Solid Composite Film (PVA: NaSe SCF) Samples. <i>Journal of Science: Advanced Materials and Devices</i> , 2022, , 100458.	3.1	0
18	False Data Injection Detection for Phasor Measurement Units. <i>Sensors</i> , 2022, 22, 3146.	3.8	7

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19	Surface modification of CuO nanoparticles with conducting polythiophene as a non-enzymatic amperometric sensor for sensitive and selective determination of hydrogen peroxide. <i>Surfaces and Interfaces</i> , 2022, 31, 101998.	3.0	11
20	One-pot synthesis of multifunctionalized Nd ₂ O ₃ dispersed ZnO nanocomposites for enhancing electrical, optical, and photocatalytic applications. <i>Journal of Materials Research and Technology</i> , 2022, 19, 967-988.	5.8	7
21	Troubleshooting the Limited Zn ²⁺ Storage Performance of the Ag ₂ V ₄ O ₁₁ Cathode in Zinc Sulfate Electrolytes via Favorable Synergism with Reduced Graphene Oxides. <i>ACS Applied Energy Materials</i> , 2022, 5, 8292-8303.	5.1	9
22	Platinum–Dysprosium Alloys as Oxygen Electrodes in Alkaline Media: An Experimental and Theoretical Study. <i>Nanomaterials</i> , 2022, 12, 2318.	4.1	1
23	Cascade strand displacement reaction-assisted aptamer-based highly sensitive detection of ochratoxin A. <i>Food Chemistry</i> , 2021, 338, 127827.	8.2	34
24	Sensor array for rapid pathogens identification fabricated with peptide-conjugated 2D metal-organic framework nanosheets. <i>Chemical Engineering Journal</i> , 2021, 405, 126707.	12.7	36
25	Performance of functionalized 1T-MoS ₂ as composite counter electrode material for QDSSCs and its analogy with 2H-MoS ₂ . <i>Materials Research Bulletin</i> , 2021, 134, 111096.	5.2	11
26	Proximity-constructed bifunctional DNA probes for identification of stem-like biomarker in breast cancer. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 129044.	7.8	6
27	Fabrication of an artificial ionic gate inspired by mercury-resistant bacteria for simple and sensitive detection of mercury ion. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128976.	7.8	20
28	Co-fermentation of immobilized yeasts boosted bioethanol production from pretreated cotton stalk lignocellulosic biomass: Long-term investigation. <i>Industrial Crops and Products</i> , 2021, 159, 113122.	5.2	34
29	Gold nanoparticles plated porous silicon nanopowder for nonenzymatic voltammetric detection of hydrogen peroxide. <i>Analytical Biochemistry</i> , 2021, 615, 114065.	2.4	17
30	A novel Ag/PANI/ZnTiO ₃ ternary nanocomposite as a highly efficient visible-light-driven photocatalyst. <i>Separation and Purification Technology</i> , 2021, 256, 117847.	7.9	43
31	Superior UV-light photocatalysts of nano-crystalline (Ni or Co) FeWO ₄ : structure, optical characterization and synthesis by a microemulsion method. <i>New Journal of Chemistry</i> , 2021, 45, 3150-3159.	2.8	11
32	A Highly Efficient Nonenzymatic Hydrogen Peroxide Electrochemical Sensor Using Mesoporous Carbon Doped ZnO Nanocomposite. <i>Journal of the Electrochemical Society</i> , 2021, 168, 027512.	2.9	38
33	Biomass-derived active Carbon@ZnO/SnO ₂ novel visible-light photocatalyst for rapid degradation of linezolid antibiotic and imidacloprid insecticide. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 120, 313-324.	5.3	27
34	Electrochemical Trans-Channel Assay for Efficient Evaluation of Tumor Cell Invasiveness. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17268-17275.	8.0	7
35	Immersion-plated palladium nanoparticles onto meso-porous silicon layer as novel SERS substrate for sensitive detection of imidacloprid pesticide. <i>Scientific Reports</i> , 2021, 11, 9174.	3.3	19
36	Facilitated lignocellulosic biomass digestibility in anaerobic digestion for biomethane production: microbial communities' structure and interactions. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 1798-1817.	3.2	8

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37	Sensitive Detection of Aqueous Methanol by Electrochemical Route Using Mesoporous Fe_2O_3 Doped CdSe Nanostructures Modified Glassy Carbon Electrode. <i>Journal of the Electrochemical Society</i> , 2021, 168, 057525.	2.9	27
38	Synthesis, optical properties, and impedance spectroscopy of Na_2TeO_3 doped polyvinyl alcohol as novel polymeric electrolyte films. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	5
39	An efficient amperometric catechol sensor based on novel polypyrrole-carbon black doped Fe_2O_3 nanocomposite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 619, 126469.	4.7	31
40	Electrochemical Deposition of Cu Metal-Organic Framework Films for the Dual Analysis of Pathogens. <i>Analytical Chemistry</i> , 2021, 93, 8994-9001.	6.5	37
41	Biomethanation and microbial community response during agricultural biomass and shrimp chaff digestion. <i>Environmental Pollution</i> , 2021, 278, 116801.	7.5	17
42	Novel SWCNTs-mesoporous silicon nanocomposite as efficient non-enzymatic glucose biosensor. <i>Applied Surface Science</i> , 2021, 552, 149477.	6.1	56
43	Highly sensitive and selective 2-nitroaniline chemical sensor based on Ce-doped SnO_2 nanosheets/Nafion-modified glassy carbon electrode. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 1015-1026.	21.1	35
44	Clean light oriented ultrafast Pt/ Bi_2S_3 nanoflakes for the photocatalytic destruction of gemifloxacin mesylate drug and methylene blue. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 414, 113288.	3.9	25
45	Novel porous silicon/MEH-PPV nanohybrid electrical sensor for sensitive detection of liquid methanol. <i>Materials Letters</i> , 2021, 293, 129734.	2.6	2
46	Co-assembly of Peptides and Carbon Nanodots: Sensitive Analysis of Transglutaminase 2. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 36919-36925.	8.0	17
47	MWCNT-Doped Polypyrrole-Carbon Black Modified Glassy Carbon Electrode for Efficient Electrochemical Sensing of Nitrite Ions. <i>Electrocatalysis</i> , 2021, 12, 650-666.	3.0	31
48	World eutrophic pollution of lake and river: Biotreatment potential and future perspectives. <i>Environmental Technology and Innovation</i> , 2021, 23, 101604.	6.1	36
49	A Novel Technique to Detect False Data Injection Attacks on Phasor Measurement Units. <i>Sensors</i> , 2021, 21, 5791.	3.8	7
50	Porous silicon-mesoporous carbon nanocomposite based electrochemical sensor for sensitive and selective detection of ascorbic acid in real samples. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 125, 360-371.	5.3	36
51	Highly efficient biomass-derived carbon@Au/ZnO novel ternary photocatalyst for ultra-fast degradation of gemifloxacin drug. <i>Journal of Materials Research and Technology</i> , 2021, 14, 954-967.	5.8	12
52	Novel polypyrrole-carbon black doped ZnO nanocomposite for efficient amperometric detection of hydroquinone. <i>Journal of Electroanalytical Chemistry</i> , 2021, 898, 115631.	3.8	30
53	One-step synthesis of heterojunction Cr_2O_3 nanoparticles decorated Bi_2S_3 nanorods with enhanced photocatalytic activity for mineralization of organic pollutants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 419, 113468.	3.9	18
54	Synergistic ammonia and fatty acids inhibition of microbial communities during slaughterhouse waste digestion for biogas production. <i>Bioresource Technology</i> , 2021, 337, 125383.	9.6	36

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55	Ammonium iodide salt-doped polyvinyl alcohol polymeric electrolyte for UV-shielding filters: synthesis, optical and dielectric characteristics. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 4416-4436.	2.2	18
56	Biocatalytic CsPbX ₃ Perovskite Nanocrystals: A Self-Reporting Nanoprobe for Metabolism Analysis. <i>Small</i> , 2021, 17, e2103255.	10.0	28
57	Review on perovskite silicon tandem solar cells: Status and prospects 2T, 3T and 4T for real world conditions. <i>Materials and Design</i> , 2021, 211, 110138.	7.0	53
58	Rapid photodegradation of linezolid antibiotic and methylene blue dye over Pt nanoparticles/polypyrrole-carbon black/ZnO novel visible light photocatalyst. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106773.	6.7	19
59	Organic analytes sensitivity in meso-porous silicon electrical sensor with front side and backside contacts. <i>Arabian Journal of Chemistry</i> , 2020, 13, 444-452.	4.9	4
60	Highest accumulated microalgal lipids (polar and non-polar) for biodiesel production with advanced wastewater treatment: Role of lipidomics. <i>Bioresource Technology</i> , 2020, 298, 122299.	9.6	44
61	Hydrazone chemistry assisted DNAzyme for the analysis of double targets. <i>Chemical Communications</i> , 2020, 56, 695-698.	4.1	8
62	Conducting polythiophene/±-Fe ₂ O ₃ nanocomposite for efficient methanol electrochemical sensor. <i>Applied Surface Science</i> , 2020, 508, 145226.	6.1	67
63	DNA Hydrogel-Based Three-Dimensional Electron Transporter and Its Application in Electrochemical Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36851-36859.	8.0	36
64	Novel Si nanostructures via Ag-assisted chemical etching route on single and polycrystalline substrates. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 262, 114793.	3.5	11
65	Direct Analysis of Rare Circulating Tumor Cells in Whole Blood Based on Their Controlled Capture and Release on Electrode Surface. <i>Analytical Chemistry</i> , 2020, 92, 13478-13484.	6.5	37
66	Efficient hydrazine electrochemical sensor based on PANI doped mesoporous SrTiO ₃ nanocomposite modified glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2020, 879, 114805.	3.8	29
67	A novel HCV electrochemical biosensor based on a polyaniline@Ni-MOF nanocomposite. <i>Dalton Transactions</i> , 2020, 49, 8918-8926.	3.3	43
68	Mechanistic investigation and photocatalytic activity of yttrium vanadate (YVO ₄) nanoparticles for organic pollutants mineralization. <i>Journal of Materials Research and Technology</i> , 2020, 9, 5666-5675.	5.8	11
69	Au nanoparticles-doped g-C ₃ N ₄ nanocomposites for enhanced photocatalytic performance under visible light illumination. <i>Ceramics International</i> , 2020, 46, 22090-22101.	4.8	77
70	Photoreduction coupling of NiO/SiO ₂ nanocomposite with palladium and yttria nanoparticles: Visible-light-driven photocatalysts. <i>Materials Research Bulletin</i> , 2020, 131, 110965.	5.2	13
71	Polythiophene doped ZnO nanostructures synthesized by modified sol-gel and oxidative polymerization for efficient photodegradation of methylene blue and gemifloxacin antibiotic. <i>Materials Today Communications</i> , 2020, 24, 101048.	1.9	38
72	rGO/ZnO/Nafion nanocomposite as highly sensitive and selective amperometric sensor for detecting nitrite ions (NO ₂ ⁻). <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 112, 345-356.	5.3	43

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73	Iron-Doped Titanium Dioxide Nanoparticles As Potential Scaffold for Hydrazine Chemical Sensor Applications. <i>Coatings</i> , 2020, 10, 182.	2.6	18
74	Microalgae Isolation for Nutrient Removal Assessment and Biodiesel Production. <i>Bioenergy Research</i> , 2020, 13, 1247-1259.	3.9	24
75	Novel synthesis of Polyaniline/SrSnO ₃ nanocomposites with enhanced photocatalytic activity. <i>Ceramics International</i> , 2019, 45, 20484-20492.	4.8	34
76	Morphological and Optical Properties of SnO ₂ Doped ZnO Nanocomposites for Electrochemical Sensing of Hydrazine. <i>International Journal of Electrochemical Science</i> , 2019, 14, 1461-1478.	1.3	9
77	Enhanced photocatalytic reduction of Cr(VI) on silver nanoparticles modified mesoporous silicon under visible light. <i>Journal of the American Ceramic Society</i> , 2019, 102, 5071-5081.	3.8	13
78	Real time nanoplasmonic sensing for monitoring CH ₃ NH ₃ PbI ₃ perovskite formation in mesoporous TiO ₂ films. <i>AIP Advances</i> , 2019, 9, 125017.	1.3	1
79	Silver nanoparticles decorated stain-etched mesoporous silicon for sensitive, selective detection of ascorbic acid. <i>Materials Letters</i> , 2019, 234, 96-100.	2.6	35
80	TiO ₂ /reduced graphene oxide nanocomposite as efficient ascorbic acid amperometric sensor. <i>Journal of Electroanalytical Chemistry</i> , 2019, 832, 225-232.	3.8	52
81	A Facile Synthesis of α -Fe ₂ O ₃ /Carbon Nanotubes and Their Photocatalytic and Electrochemical Sensing Performances. <i>International Journal of Electrochemical Science</i> , 2019, 14, 15-32.	1.3	16
82	Novel mesoporous NiO/TiO ₂ nanocomposites with enhanced photocatalytic activity under visible light illumination. <i>Ceramics International</i> , 2018, 44, 7047-7056.	4.8	60
83	Polythiophene/ZnO nanocomposite-modified glassy carbon electrode as efficient electrochemical hydrazine sensor. <i>Materials Chemistry and Physics</i> , 2018, 214, 126-134.	4.0	62
84	Polythiophene/mesoporous SrTiO ₃ nanocomposites with enhanced photocatalytic activity under visible light. <i>Separation and Purification Technology</i> , 2018, 190, 33-44.	7.9	103
85	Influence of Annealing Temperature on Photocatalytic and Electrochemical Sensing Properties of SnO ₂ /ZnO Nanocomposites. <i>International Journal of Electrochemical Science</i> , 2018, 13, 6626-6642.	1.3	8
86	Highly Sensitive Ethanol Chemical Sensor Based on Novel Ag-Doped Mesoporous α -Fe ₂ O ₃ Prepared by Modified Sol-Gel Process. <i>Nanoscale Research Letters</i> , 2018, 13, 157.	5.7	26
87	Fabrication of highly efficient TiO ₂ /C ₃ N ₄ visible light driven photocatalysts with enhanced photocatalytic activity. <i>Journal of Molecular Structure</i> , 2018, 1173, 428-438.	3.6	46
88	Porous Silicon and Templating. , 2018, , 961-972.		0
89	Enhanced efficiency and current density of solar cells via energy-down-shift having energy-tuning-effect of highly UV-light-harvesting Mn ²⁺ -doped quantum dots. <i>Nano Energy</i> , 2017, 33, 257-265.	16.0	33
90	Hydrothermal synthesis of novel heterostructured Fe ₂ O ₃ /Bi ₂ S ₃ nanorods with enhanced photocatalytic activity under visible light. <i>Applied Catalysis B: Environmental</i> , 2017, 213, 18-27.	20.2	203

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91	Tuning the redox potential of vitamin K ₃ derivatives by oxidative functionalization using a Ag(ⁱ /GO) catalyst. Chemical Communications, 2017, 53, 8890-8893.	4.1	14
92	Inverted polymer solar cell based on MEH-PPV/PC 61 BM coupled with ZnO nanoparticles as electron transport layer. Applied Surface Science, 2017, 425, 156-163.	6.1	21
93	Porous Silicon and Templating. , 2017, , 1-13.		0
94	Photoluminescence detection of alpha particle using DAM-ADC nuclear detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 830, 115-118.	1.6	4
95	Controlled synthesis of bismuth sulfide nanorods by hydrothermal method and their photocatalytic activity. Materials and Design, 2016, 102, 202-212.	7.0	67
96	Highly sensitive amperometric hydrazine sensor based on novel Fe_2O_3 /crosslinked polyaniline nanocomposite modified glassy carbon electrode. Sensors and Actuators B: Chemical, 2016, 234, 573-582.	7.8	96
97	A sensitive and selective amperometric hydrazine sensor based on mesoporous Au/ZnO nanocomposites. Materials and Design, 2016, 109, 530-538.	7.0	86
98	A highly sensitive and durable electrical sensor for liquid ethanol using thermally-oxidized mesoporous silicon. Superlattices and Microstructures, 2016, 100, 1064-1072.	3.1	17
99	A facile synthesis of mesoporous PdZnO nanocomposites as efficient chemical sensor. Superlattices and Microstructures, 2016, 95, 128-139.	3.1	25
100	Synthesis of mesoporous sulfur-doped Ta ₂ O ₅ nanocomposites and their photocatalytic activities. Journal of Colloid and Interface Science, 2016, 471, 145-154.	9.4	64
101	Synthesis of highly dispersed silver doped g-C ₃ N ₄ nanocomposites with enhanced visible-light photocatalytic activity. Materials and Design, 2016, 98, 223-230.	7.0	108
102	Synthesis of amorphous ZnO/SiO ₂ nanocomposite with enhanced chemical sensing properties. Thin Solid Films, 2016, 605, 277-282.	1.8	17
103	Material Deposition into Porous Silicon Template. ECS Transactions, 2015, 69, 23-28.	0.5	2
104	Structural and optical investigation on alpha particle irradiated CR-39 surface coated by MEH-PPV conducting polymer. Applied Surface Science, 2015, 347, 685-689.	6.1	6
105	Surface-enhanced Raman scattering (SERS)-active substrates from silver plated-porous silicon for detection of crystal violet. Applied Surface Science, 2015, 331, 241-247.	6.1	98
106	Mesoporous Ag/ZnO multilayer films prepared by repeated spin-coating for enhancing its photonic efficiencies. Surface and Coatings Technology, 2015, 263, 44-53.	4.8	24
107	Electrical porous silicon sensor for detection of various organic molecules in liquid phase. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 1851-1857.	1.8	16
108	A green chemical route for synthesis of graphene supported palladium nanoparticles: A highly active and recyclable catalyst for reduction of nitrobenzene. Applied Catalysis A: General, 2015, 503, 176-185.	4.3	96

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109	Highly sensitive ethanol chemical sensor based on nanostructured SnO ₂ doped ZnO modified glassy carbon electrode. <i>Chemical Physics Letters</i> , 2015, 639, 238-242.	2.6	22
110	Enhanced electrical and luminescent performance of a porous silicon/MEH-PPV nanohybrid synthesized by anodization and repeated spin coating. <i>RSC Advances</i> , 2015, 5, 99892-99898.	3.6	21
111	Synthesis of mesoporous Ag/ZnO nanocrystals with enhanced photocatalytic activity. <i>Catalysis Today</i> , 2015, 252, 20-26.	4.4	123
112	Novel Fe ₃ O ₄ /polypyrrole nanocomposite with enhanced photocatalytic performance. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 299, 18-24.	3.9	55
113	SnO ₂ doped ZnO nanostructures for highly efficient photocatalyst. <i>Journal of Molecular Catalysis A</i> , 2015, 397, 19-25.	4.8	106
114	CuO nanobelts synthesized by a template-free hydrothermal approach with optical and magnetic characteristics. <i>Ceramics International</i> , 2014, 40, 2127-2133.	4.8	70
115	Magnetic nanocomposite based on titania-silica/cobalt ferrite for photocatalytic degradation of methylene blue dye. <i>Ceramics International</i> , 2014, 40, 375-384.	4.8	88
116	Mesoporous TiO ₂ based optical sensor for highly sensitive and selective detection and preconcentration of Bi(III) ions. <i>Chemical Engineering Journal</i> , 2014, 243, 509-516.	12.7	31
117	Highly selective colorimetric detection and preconcentration of Bi(III) ions by dithizone complexes anchored onto mesoporous TiO ₂ . <i>Nanoscale Research Letters</i> , 2014, 9, 62.	5.7	6
118	Sol-gel synthesis of ZnO-SiO ₂ thin films: impact of ZnO contents on its photonic efficiency. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 71, 224-233.	2.4	15
119	A capacitive chemical sensor based on porous silicon for detection of polar and non-polar organic solvents. <i>Applied Surface Science</i> , 2014, 307, 704-711.	6.1	46
120	Porous Silicon and Conductive Polymer Nanostructures via Templating. , 2014, , 1-10.		0
121	Electrochemical formation of a novel porous silicon/polypyrrole hybrid structure with enhanced electrical and optical characteristics. <i>Journal of Electroanalytical Chemistry</i> , 2014, 729, 68-74.	3.8	25
122	Porous silicon chemical sensors and biosensors: A review. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 897-912.	7.8	269
123	Porous Silicon and Conductive Polymer Nanostructures Via Templating. , 2014, , 611-622.		1
124	Green synthesis of antibacterial chitosan films loaded with silver nanoparticles. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013, 31, 984-993.	3.8	12
125	Rapid synthesis of titania-silica nanoparticles photocatalyst by a modified sol-gel method for cyanide degradation and heavy metals removal. <i>Journal of Alloys and Compounds</i> , 2013, 551, 1-7.	5.5	83
126	Catalytic hydrogenation of crotonaldehyde and oxidation of benzene over active and recyclable palladium nanoparticles stabilized by polyethylene glycol. <i>Journal of Molecular Catalysis A</i> , 2013, 370, 182-188.	4.8	14

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127	Synthesis and surface properties of magnetite (Fe ₃ O ₄) nanoparticles infiltrated into porous silicon template. <i>Applied Surface Science</i> , 2013, 287, 203-210.	6.1	33
128	Morphological investigation and magnetic properties of nickel zinc ferrite 1D nanostructures synthesized via thermal decomposition method. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	14
129	Enhancement of porous silicon photoluminescence by chemical and electrochemical infiltration of conducting polymers. <i>Scripta Materialia</i> , 2013, 68, 683-686.	5.2	19
130	Electrochemically deposited cobalt/platinum (Co/Pt) film into porous silicon: Structural investigation and magnetic properties. <i>Applied Surface Science</i> , 2013, 264, 391-398.	6.1	31
131	Nanocrystalline zinc oxide thin films prepared by electrochemical technique for advanced applications. <i>International Journal of Nanoparticles</i> , 2012, 5, 136.	0.3	6
132	Hydrothermal synthesis of size-controllable Yttrium Orthovanadate (YVO ₄) nanoparticles and its application in photocatalytic degradation of direct blue dye. <i>Journal of Alloys and Compounds</i> , 2012, 532, 55-60.	5.5	89
133	Adsorptive removal of iron and manganese ions from aqueous solutions with microporous chitosan/polyethylene glycol blend membrane. <i>Journal of Environmental Sciences</i> , 2012, 24, 1425-1432.	6.1	59
134	Palladium nanoparticles stabilized by polyethylene glycol: Efficient, recyclable catalyst for hydrogenation of styrene and nitrobenzene. <i>Journal of Catalysis</i> , 2012, 286, 184-192.	6.2	181
135	Impregnation of porous silicon with conducting polymers. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 1883-1887.	0.8	31
136	Magnetic behavior of cobalt ferrite nanowires prepared by template-assisted technique. <i>Materials Chemistry and Physics</i> , 2010, 123, 254-259.	4.0	46
137	Structure and magnetic properties of nanocrystalline cobalt ferrite powders synthesized using organic acid precursor method. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 2058-2064.	2.3	180
138	Electrical and magnetic properties of Ni ²⁺ /Cu ²⁺ /Si heterojunction prepared by the liquid phase epitaxy technique. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 1521-1526.	4.0	3
139	Visible-light photocatalytic activity of gold nanoparticles supported on template-synthesized mesoporous titania for the decontamination of the chemical warfare agent Soman. <i>Applied Catalysis B: Environmental</i> , 2010, 99, 191-197.	20.2	110
140	Composition and phase control of Ni/NiO nanoparticles for photocatalytic degradation of EDTA. <i>Journal of Alloys and Compounds</i> , 2010, 508, 133-140.	5.5	68
141	Catalytic performance of nanostructured iron oxides synthesized by thermal decomposition technique. <i>Journal of Alloys and Compounds</i> , 2009, 487, 716-723.	5.5	45
142	Cylindrical pore arrays in silicon with intermediate nano-sizes: A template for nanofabrication and multilayer applications. <i>Electrochimica Acta</i> , 2008, 53, 6444-6451.	5.2	47
143	Polyethylene glycol-assisted hydrothermal growth of magnetite nanowires: Synthesis and magnetic properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 3131-3136.	2.7	30
144	Fine-tuning in size and surface morphology of rod-shaped polypyrrole using porous silicon as template. <i>Electrochemistry Communications</i> , 2008, 10, 56-60.	4.7	43

#	ARTICLE	IF	CITATIONS
145	Hybrid nanostructure of polypyrrole and porous silicon prepared by galvanostatic technique. <i>Electrochimica Acta</i> , 2008, 53, 3734-3740.	5.2	54
146	Electrochemical Formation of Porous Silicon with Medium-Sized Pores. <i>Electrochemistry</i> , 2007, 75, 270-272.	1.4	36
147	Sensing of chemical vapor using a porous multilayer prepared from lightly doped silicon. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 2073-2077.	0.8	30
148	Macropore growth in a prepatterned p-type silicon wafer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 1321-1326.	1.8	18
149	Microrod and Microtube Formation by Electrodeposition of Metal into Ordered Macropores Prepared in p-Type Silicon. <i>Journal of the Electrochemical Society</i> , 2006, 153, C218.	2.9	36
150	Electrochemical Polymerization of Pyrrole into Nanostructured p-Type Porous Silicon. <i>Journal of the Electrochemical Society</i> , 2006, 153, C349.	2.9	47
151	Electrochemical stabilization of porous silicon multilayers for sensing various chemical compounds. <i>Journal of Applied Physics</i> , 2006, 100, 083520.	2.5	77
152	A comparative electrochemical study of iron deposition onto n- and p-type porous silicon prepared from lightly doped substrates. <i>Electrochimica Acta</i> , 2005, 50, 5340-5348.	5.2	31
153	Pore filling of macropores prepared in p-type silicon by copper deposition. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 1683-1687.	1.8	28
154	Random Macropore Formation in p-Type Silicon in HF-Containing Organic Solutions. <i>Journal of the Electrochemical Society</i> , 2005, 152, C213.	2.9	40
155	Immersion plating of nickel onto a porous silicon layer from fluoride solutions. <i>Physica Status Solidi A</i> , 2003, 197, 51-56.	1.7	41
156	Different Behavior in Immersion Plating of Nickel on Porous Silicon from Acidic and Alkaline Fluoride Media. <i>Journal of the Electrochemical Society</i> , 2003, 150, C277.	2.9	47
157	Metal Deposition onto a Porous Silicon Layer by Immersion Plating from Aqueous and Nonaqueous Solutions. <i>Journal of the Electrochemical Society</i> , 2002, 149, C456.	2.9	92
158	Effect of chloride ions on immersion plating of copper onto porous silicon from a methanol solution. <i>Electrochimica Acta</i> , 2002, 47, 1249-1257.	5.2	38
159	Immersion plating of copper using $(CF_3SO_3)_2Cu$ onto porous silicon from organic solutions. <i>Electrochimica Acta</i> , 2001, 46, 2805-2810.	5.2	24
160	Immersion Plating of Copper on Porous Silicon in Various Solutions. <i>Physica Status Solidi A</i> , 2000, 182, 71-77.	1.7	35
161	Biologically Synthesized Silver Nanoparticles for Enhancing Tetracycline Activity Against <i>Staphylococcus aureus</i> and <i>Klebsiella pneumoniae</i> . <i>Brazilian Archives of Biology and Technology</i> , 0, 62, .	0.5	31
162	Tuning Electrocatalytic Activity of Gold Silver Nanoparticles on Reduced Graphene Oxide for Oxygen Reduction Reaction. <i>Journal of the Electrochemical Society</i> , 0, , .	2.9	2