Savarimuthu Philip Anthony

List of Publications by Year
in descending order

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113 papers	3,278 citations	147726 31 h-index	182361 51 g-index
115 all docs	115 docs citations	115 times ranked	4104 citing authors

#	Article	IF	Citations
1	Highly enhanced dye adsorption of MoO3 nanoplates fabricated by hydrothermal-calcination approach in presence of chitosan and thiourea. Chemosphere, 2022, 291, 132926.	4.2	11
2	Pyridine nitrogen position controlled molecular packing and stimuli-responsive solid-state fluorescence switching: supramolecular complexation facilitated turn-on fluorescence. CrystEngComm, 2022, 24, 2642-2649.	1.3	8
3	Knotting Two Donorâ˜Ï€-Acceptor AIEgens Using a Nonconjugated Linker: Tunable and Switchable Fluorescence and Fingerprinting and Live Cell Imaging Applications. Crystal Growth and Design, 2022, 22, 633-642.	1.4	10
4	Disordered spinel cobalt oxide electrocatalyst for highly enhanced HER activity in an alkaline medium. New Journal of Chemistry, 2022, 46, 12558-12564.	1.4	3
5	CF₃ H-bonding locked aromatic stacking of picric acid with mechanofluorochromic fluorophores: highly selective reusable sensor and rewritable fluorescence platform. Molecular Systems Design and Engineering, 2022, 7, 1277-1286.	1.7	7
6	Pods of Acacia nilotica mediated synthesis of copper oxide nanoparticles and itâ€™s in vitro biological applications. Materials Today: Proceedings, 2021, 47, 751-756.	0.9	4
7	Metal-organic frameworks derived CuONPs@C nanocatalysts for synthesizing optoelectronic triarylamine molecules. Inorganic Chemistry Communication, 2021, 123, 108301.	1.8	2
8	Molecular structure controlled self-assembly of pyridine appended fluorophores: multi-stimuli fluorescence responses and fabricating rewritable/self-erasable fluorescent platforms. Materials Advances, 2021, 2, 996-1005.	2.6	23
9	Cissampelous pairera mediated synthesis of silver nanoparticles and itâ€™s invitro antioxidant, antibacterial and antidiabetic activities. Materials Today: Proceedings, 2021, 47, 853-857.	0.9	8
10	Recent advances in excited state intramolecular proton transfer mechanism-based solid state fluorescent materials and stimuli-responsive fluorescence switching. CrystEngComm, 2021, 23, 3771-3789.	1.3	45
11	Investigating the structureâ€“fluorescence properties of tetraphenylethylene fused imidazole AIEgens: reversible mechanofluorochromism and polymer matrix controlled fluorescence tuning. CrystEngComm, 2021, 23, 5403-5410.	1.3	4
12	Cobalt coordination controlled carbon nanospheres formation and inclusion of amorphous Co₃O₄ and AuNPs: strongly enhanced oxygen evolution reaction with excellent mass activity. Dalton Transactions, 2021, 50, 10493-10500.	1.6	2
13	Fabricating highly efficient Ag3PO4-Fe3O4-GO ternary nanocomposite photocatalyst: Effect of Fe3O4-GO preparation methods on photocatalytic activity. Materials Research Bulletin, 2021, 141, 111337.	2.7	13
14	Polyoxometalate based ionic crystal: dual applications in selective colorimetric sensor for hydrated ZnCl₂ and antimicrobial activity. New Journal of Chemistry, 2021, 45, 5576-5588.	1.4	7
15	Molecular conformational twist-controlled wide fluorescence tuning and white light emission in a single fluorophore via halochromism. New Journal of Chemistry, 2021, 45, 22450-22460.	1.4	8
16	Polymorphs of a copper coordination compound: interlinking active sites enhance the electrocatalytic activity of the coordination polymer compared to the coordination complex. CrystEngComm, 2020, 22, 425-429.	1.3	16
17	Solvent vapour induced rare single-crystal-to-single-crystal transformation of stimuli-responsive fluorophore: Solid state fluorescence tuning, switching and role of molecular conformation and substituents. Dyes and Pigments, 2020, 174, 108067.	2.0	15
18	NaHSO₄/SiO₂ catalyzed generation of o-quinone/ o-thioquinone methides: synthesis of arylxanthenes/ arylthioxanthenes via oxa-6Ï€-electrocyclization. Organic and Biomolecular Chemistry, 2020, 18, 8653-8667.	1.5	5

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19	Coordination diversity in transition metal complexes with 4-aminoantipyrine tethered bis(imino)pyridine ligand: structures, superoxide dismutase and anticancer properties. Journal of Coordination Chemistry, 2020, 73, 3174-3185.	0.8	0
20	Highly Enhanced OER Activity of Amorphous Co 3 O 4 via Fabricating Hybrid Amorphousâ€Crystalline Gold Nanostructures. ChemistrySelect, 2020, 5, 9357-9361.	0.7	6
21	Synthesizing Bis(Î²â€iminoenolate)copper(II) Complexes and Exploring Substitution Dependent Green Catalytic Application for Azideâ€Alkyne Cycloaddition Reaction. ChemistrySelect, 2020, 5, 8773-8778.	0.7	4
22	Structure controlled solvatochromism and halochromic fluorescence switching of 2,2â€²-bipyridine based donorâ€“acceptor derivatives. New Journal of Chemistry, 2020, 44, 14421-14428.	1.4	5
23	Highly enhanced bifunctional electrocatalytic activity of mixed copperâ€“copper oxides on nickel foam via composition control. New Journal of Chemistry, 2020, 44, 11993-12001.	1.4	14
24	Easily Accessible Schiff Base ESIPT Molecules with Tunable Solid State Fluorescence: Mechanofluorochromism and Highly Selective Co²⁺ Fluorescence Sensing. ChemistrySelect, 2020, 5, 3295-3302.	0.7	14
25	Growth and THz generation in organic nonlinear optical crystal: N,Nâ€² bis(4-nitrophenyl)-(1R,2R)-diaminocyclohexane (BNDC). Journal of Materials Science: Materials in Electronics, 2020, 31, 13628-13635.	1.1	5
26	Facile Synthetic Route for Direct Access of Perylenediimide Single Crystals in High Yield through In Situ Crystallization. ChemistrySelect, 2020, 5, 2070-2074.	0.7	4
27	Triphenylamine-based stimuli-responsive solid state fluorescent materials. New Journal of Chemistry, 2020, 44, 8680-8696.	1.4	65
28	Reversible Thermochromism of Nickel(II) Complexes and Single-Crystal-to-Single-Crystal Transformation. ACS Omega, 2019, 4, 13756-13761.	1.6	10
29	Synthesis of Solanum nigrum mediated copper oxide nanoparticles and their photocatalytic dye degradation studies. Materials Research Express, 2019, 6, 125402.	0.8	12
30	Synthesis of Strongly Fluorescent Imidazole Derivatives: Structure Property Studies, Halochromism and Fluorescent Photoswitching. Journal of Fluorescence, 2019, 29, 1359-1369.	1.3	4
31	Rewritable fluorescent platform and reusable hydrazine sensing thin film using aldehyde functionalized fluorophore integrated PMMA polymer matrix. Materials Chemistry and Physics, 2019, 235, 121753.	2.0	10
32	Copper coordination polymer electrocatalyst for strong hydrogen evolution reaction activity in neutral medium: influence of coordination environment and network structure. Catalysis Science and Technology, 2019, 9, 4347-4354.	2.1	21
33	Temperature-Controlled Locally Excited and Twisted Intramolecular Charge-Transfer State-Dependent Fluorescence Switching in Triphenylamineâ€“Benzothiazole Derivatives. ACS Omega, 2019, 4, 5147-5154.	1.6	22
34	Hydrogenation of nitroaromatics to anilines catalyzed by airâ€stable arene ruthenium (II)â€“NNN pincer complexes. Applied Organometallic Chemistry, 2019, 33, e4689.	1.7	7
35	Crystallization/aggregation enhanced emissive smart fluorophores for rewritable fluorescent platform: Alkoxy chain length controlled solid state fluorescence. Journal of Luminescence, 2019, 211, 355-362.	1.5	15
36	Halogen Atom and Position Dependent Strong Enhancement of Solidâ€State Fluorescence and Stimuli Responsive Reversible Fluorescence Switching. ChemistrySelect, 2019, 4, 3884-3890.	0.7	23

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37	The Co2+/Ni2+ ion-mediated formation of a topochemically converted copper coordination polymer: structure-dependent electrocatalytic activity. CrystEngComm, 2019, 21, 6552-6557.	1.3	9
38	Aggregation-enhanced emissive mechanofluorochromic carbazole-halogen positional isomers: tunable fluorescence via conformational polymorphism and crystallization-induced fluorescence switching. CrystEngComm, 2019, 21, 6604-6612.	1.3	26
39	Fabricating Cu, Cu₂O and hybrid Cu-Cu₂O nanoparticles in carbon matrix and exploring catalytic activity of oxygen and hydrogen evolution and green A³-coupling reaction. Materials Research Express, 2019, 6, 025518.	0.8	9
40	Green synthesis of silver nanoparticles using Nardostachys jatamansi and evaluation of its anti-biofilm effect against classical colonizers. Microbial Pathogenesis, 2019, 126, 1-5.	1.3	23
41	Synthesis of tunable, red fluorescent aggregation-enhanced emissive organic fluorophores: stimuli-responsive high contrast offâ€"on fluorescence switching. CrystEngComm, 2018, 20, 643-651.	1.3	29
42	Fabrication of strong bifunctional electrocatalytically active hybrid Cuâ€"Cu₂O nanoparticles in a carbon matrix. Catalysis Science and Technology, 2018, 8, 1414-1422.	2.1	42
43	Triphenylamine based reactive coloro/fluorimetric chemosensors: Structural isomerism and solvent dependent sensitivity and selectivity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 189, 342-348.	2.0	18
44	Unusual fluorescent photoswitching of imidazole derivatives: the role of molecular conformation and twist angle controlled organic solid state fluorescence. Physical Chemistry Chemical Physics, 2018, 20, 27385-27393.	1.3	15
45	Gold doping induced strong enhancement of carbon quantum dots fluorescence and oxygen evolution reaction catalytic activity of amorphous cobalt hydroxide. New Journal of Chemistry, 2018, 42, 18794-18801.	1.4	14
46	Synthesis, supramolecular organization and thermotropic phase behaviour of N-acyltris(hydroxymethyl)aminomethane. RSC Advances, 2018, 8, 32823-32831.	1.7	3
47	Excited state intramolecular proton transfer induced fluorescence in triphenylamine molecule: Role of structural conformation and reversible mechanofluorochromism. Journal of Molecular Structure, 2018, 1169, 1-8.	1.8	18
48	Drastic Modulation of Stimuli-Responsive Fluorescence by a Subtle Structural Change of Organic Fluorophore and Polymorphism Controlled Mechanofluorochromism. Crystal Growth and Design, 2018, 18, 3971-3979.	1.4	36
49	Molecular Conformationâ€•and Packingâ€Controlled Excited State Intramolecular Proton Transfer Induced Solidâ€State Fluorescence and Reversible Mechanofluorochromism. ChemistrySelect, 2018, 3, 7340-7345.	0.7	14
50	Self-assembly of water soluble perylene tetracarboxylic acid with metal cations: Selective fluorescence sensing of Cu2+ and Pb2+ ions in paper strips, zebrafish and yeast. Journal of Luminescence, 2018, 203, 42-49.	1.5	18
51	ApAGP-fabricated silver nanoparticles induce amendment of murine macrophage polarization. Journal of Materials Chemistry B, 2017, 5, 3511-3520.	2.9	15
52	Polymorphism and benzene solvent controlled stimuli responsive reversible fluorescence switching in triphenylphosphoniumfluorenylide crystals. New Journal of Chemistry, 2017, 41, 4592-4598.	1.4	12
53	A halochromic stimuli-responsive reversible fluorescence switching 3, 4, 9, 10-perylene tetracarboxylic acid dye for fabricating rewritable platform. Optical Materials, 2017, 64, 53-57.	1.7	42
54	A crab claw shaped molecular receptor for selective recognition of picric acid: supramolecular self-assembly mediated aggregation induced emission and color change. CrystEngComm, 2017, 19, 3557-3561.	1.3	12

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55	Fluorescent carbon quantum dots chemosensor for selective turn-on sensing of Zn²⁺ and turn-off sensing of Pb²⁺ in aqueous medium and zebrafish eggs. New Journal of Chemistry, 2017, 41, 15157-15164.	1.4	30
56	Self-reversible thermofluorochromism of Dâ€“Aâ€“D triphenylamine derivatives and the effect of molecular conformation and packing. CrystEngComm, 2017, 19, 6979-6985.	1.3	23
57	Crystallization-induced reversible fluorescence switching of alkyl chain length dependent thermally stable supercooled organic fluorescent liquids. CrystEngComm, 2017, 19, 6489-6497.	1.3	20
58	Tunable and Switchable Solid State Fluorescence: Alkyl Chain Lengthâ€Dependent Molecular Conformation and Selfâ€Reversible Thermochromism. ChemistrySelect, 2017, 2, 7799-7807.	0.7	19
59	Copper-coordination polymer-controlled Cu@N-rGO and CuO@C nanoparticle formation: reusable green catalyst for A³-coupling and nitroarene-reduction reactions. Dalton Transactions, 2017, 46, 11704-11714.	1.6	17
60	Bay Functionalized Perylenediimide with Pyridine Positional Isomers: NIR Absorption and Selective Colorimetric/Fluorescent Sensing of Fe3+ and Al3+ Ions. Journal of Fluorescence, 2017, 27, 491-500.	1.3	15
61	Effect of surfactant in mitigating cadmium oxide nanoparticle toxicity: Implications for mitigating cadmium toxicity in environment. Environmental Research, 2017, 152, 141-149.	3.7	49
62	Molecular Engineering of Triphenylamine Based Aggregation Enhanced Emissive Fluorophore: Structure-Dependent Mechanochromism and Self-Reversible Fluorescence Switching. Crystal Growth and Design, 2017, 17, 146-155.	1.4	75
63	Silver nanoparticle synthesis using Clerodendrum phlomidis leaf extract and preliminary investigation of its antioxidant and anticancer activities. Journal of Molecular Liquids, 2016, 220, 926-930.	2.3	74
64	L-Methionine based phenolic compound mediates unusual assembly of AgNPs and exerts efficient anti-biofilm effect. RSC Advances, 2016, 6, 45716-45726.	1.7	4
65	Aggregation Induced Emission of Excited-State Intramolecular Proton Transfer Compounds: Nanofabrication Mediated White Light Emitting Nanoparticles. Crystal Growth and Design, 2016, 16, 3400-3408.	1.4	34
66	Synthesis of CuO and Cu₂O nano/microparticles from a single precursor: effect of temperature on CuO/Cu₂O formation and morphology dependent nitroarene reduction. RSC Advances, 2016, 6, 85083-85090.	1.7	33
67	Arene ruthenium(<scp>ii</scp>) complexes with chalcone, aminoantipyrine and aminopyrimidine based ligands: synthesis, structure and preliminary evaluation of anti-leukemia activity. RSC Advances, 2016, 6, 90982-90992.	1.7	25
68	Halochromic Isoquinoline with Mechanochromic Triphenylamine: Smart Fluorescent Material for Rewritable and Self-Erasable Fluorescent Platform. ACS Applied Materials & Interfaces, 2016, 8, 33034-33042.	4.0	103
69	Synthesis of Î±-MoO3 nanoplates using organic aliphatic acids and investigation of sunlight enhanced photodegradation of organic dyes. Materials Research Bulletin, 2016, 76, 147-154.	2.7	34
70	Antimicrobial studies of metal and metal oxide nanoparticles. , 2016, , 265-300.		31
71	Synthesis of biofunctionalized AgNPs using medicinally important Sida cordifolia leaf extract for enhanced antioxidant and anticancer activities. Materials Letters, 2016, 170, 101-104.	1.3	32
72	A Facile Method for the Synthesis Fluorescent Zinc Chalcogenide (ZnO, ZnS and ZnSe) Nanoparticles in PS and PMMA Polymer Matrix. Journal of Fluorescence, 2016, 26, 703-707.	1.3	15

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73	Highly selective colorimetric sensing of Hg2+ ions by label free AuNPs in aqueous medium across wide pH range. Sensors and Actuators B: Chemical, 2016, 225, 413-419.	4.0	19
74	Perylene Diimide Based Fluorescent Dyes for Selective Sensing of Nitroaromatic Compounds: Selective Sensing in Aqueous Medium Across Wide pH Range. Journal of Fluorescence, 2016, 26, 395-401.	1.3	25
75	Biogenic silver nanoparticles synthesis using the extract of the medicinal plant Clerodendron serratum and its in-vitro antiproliferative activity. Materials Letters, 2015, 160, 400-403.	1.3	21
76	Synthesis of new colori/fluorimetric chemosensor for selective sensing of biologically important Fe3+, Cu2+ and Zn2+ metal ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 426-431.	2.0	27
77	Reversible fluorescence switching and topochemical conversion in an organic AEE material: polymorphism, defection and nanofabrication mediated fluorescence tuning. Journal of Materials Chemistry C, 2015, 3, 8381-8388.	2.7	78
78	Self-Reversible Mechanochromism and Thermochromism of a Triphenylamine-Based Molecule: Tunable Fluorescence and Nanofabrication Studies. Journal of Physical Chemistry C, 2015, 119, 9460-9469.	1.5	109
79	Alanine based coordinating ligand mediated hydrothermal synthesis of CuS nano/microstructures and morphology dependent photocatalysis. CrystEngComm, 2015, 17, 3452-3459.	1.3	17
80	Hyperbranched polyethylenimine-based sensor of multiple metal ions (Cu²⁺,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td RSC Advances, 2015, 5, 88125-88132.	1.7	11
81	Stimuli responsive reversible high contrast offâ€"on fluorescence switching of simple aryl-ether amine based aggregation-induced enhanced emission materials. RSC Advances, 2015, 5, 98618-98625.	1.7	18
82	Heavy metal cation and anion sensing studies of N-(2-hydroxybenzyl)-isopropylamine surface functionalized AgNPs. New Journal of Chemistry, 2015, 39, 1308-1314.	1.4	9
83	Substitutional group dependent colori/fluorimetric sensing of Mn2+, Fe3+ and Zn2+ ions by simple Schiff base chemosensor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 1658-1665.	2.0	41
84	Surface functionalized fluorescent CdS QDs: Selective fluorescence switching and quenching by Cu2+ and Hg2+ at wide pH range. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 135, 335-341.	2.0	25
85	Developing new Schiff base molecules for selective colorimetric sensing of Fe3+ and Cu2+ metal ions: Substituent dependent selectivity and colour change. Sensors and Actuators B: Chemical, 2015, 206, 524-530.	4.0	49
86	Off-on Fluorescent Sensor from On-off Sensor: Exploiting Silver Nanoparticles Influence on the Organic Fluorophore Fluorescence. Journal of Fluorescence, 2014, 24, 319-327.	1.3	16
87	Bio-functionalized silver nanoparticles for selective colorimetric sensing of toxic metal ions and antimicrobial studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 129, 35-42.	2.0	59
88	Coordinating ligand functionalized AgNPs for colorimetric sensing: effect of subtle structural and conformational change of ligand on the selectivity. RSC Advances, 2014, 4, 64717-64724.	1.7	6
89	AuNP based selective colorimetric sensor for cysteine at a wide pH range: investigation of capping molecule structure on the colorimetric sensing and catalytic properties. RSC Advances, 2014, 4, 18467-18472.	1.7	19
90	Selective fluorescence sensing of Mg²⁺ ions by Schiff base chemosensor: effect of diamine structural rigidity and solvent. RSC Advances, 2014, 4, 41565-41571.	1.7	47

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91	Selective turn-on fluorescence for Zn 2+ and Zn 2+ + Cd 2+ metal ions by single Schiff base chemosensor. Analytica Chimica Acta, 2014, 848, 74-79.	2.6	65
92	A facile route to synthesize casein capped copper nanoparticles: an effective antibacterial agent and selective colorimetric sensor for mercury and tryptophan. RSC Advances, 2014, 4, 33215-33221.	1.7	53
93	Triphenylamine based new Schiff base ligand: Solvent dependent selective fluorescence sensing of Mg 2+ and Fe 3+ ions. Inorganic Chemistry Communication, 2014, 48, 1-4.	1.8	28
94	Synthesis of Cu‹sub›2‹/sub›O micro/nanocrystals with tunable morphologies using coordinating ligands as structure controlling agents and antimicrobial studies. CrystEngComm, 2014, 16, 9866-9872.	1.3	24
95	Silver nanoparticles based selective colorimetric sensor for Cd2+, Hg2+ and Pb2+ ions: Tuning sensitivity and selectivity using co-stabilizing agents. Sensors and Actuators B: Chemical, 2014, 191, 31-36.	4.0	108
96	Highly selective silver nanoparticles based label free colorimetric sensor for nitrite anions. Analytica Chimica Acta, 2014, 842, 57-62.	2.6	37
97	Selective colorimetric sensing of toxic metal cations by green synthesized silver nanoparticles over a wide pH range. RSC Advances, 2013, 3, 16765.	1.7	99
98	A structurally versatile coordination polymer: demonstrating spontaneous resolution, conformational polymorphism and gel formation. CrystEngComm, 2013, 15, 6602.	1.3	11
99	Green synthesized silver nanoparticles for selective colorimetric sensing of Hg2+ in aqueous solution at wide pH range. Analyst, The, 2013, 138, 4370.	1.7	140
100	Diaminotriazine substituted diphenyl ether: reversible structural transformation and solvent dependent solid state fluorescence. CrystEngComm, 2013, 15, 4117.	1.3	7
101	Natural Amino Acid Based Phenolic Derivatives for Synthesizing Silver Nanoparticles with Tunable Morphology and Antibacterial Studies. Bulletin of the Korean Chemical Society, 2013, 34, 2702-2706.	1.0	9
102	Polymorphâ€Dependent Solidâ€State Fluorescence and Selective Metalâ€Ionâ€Sensor Properties of 2â€(2â€Hydroxyphenyl)â€4(3‹i›H‹/i›)â€quinazolinone. Chemistry - an Asian Journal, 2012, 7, 374-379.	1.7	90
103	Organic Solidâ€State Fluorescence: Strategies for Generating Switchable and Tunable Fluorescent Materials. ChemPlusChem, 2012, 77, 518-531.	1.3	219
104	Supramolecular luminescent system based on 2-cyano-3(4-(diphenylamino)phenyl) acrylic acid: Chiral luminescent host for selective CH3CN sensor. CrystEngComm, 2011, 13, 6706.	1.3	17
105	Impact of molecular structure on intermolecular interactions and organic solid state luminescence in supramolecular systems. Journal of Physical Organic Chemistry, 2010, 23, 1074-1079.	0.9	27
106	Nano/Microstructure Fabrication of Functional Organic Material: Polymorphic Structure and Tunable Luminescence. Journal of Physical Chemistry C, 2010, 114, 11708-11716.	1.5	55
107	Synthesis of Ag2S and Ag2Se nanoparticles in self assembled block copolymer micelles and nano-arrays fabrication. Materials Letters, 2009, 63, 773-776.	1.3	45
108	Switching and tuning organic solid-state luminescence via a supramolecular approach. Chemical Communications, 2009, , 7500.	2.2	71

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109	Synthesis of lead chalcogenide nanoparticles in block copolymer micelles: investigation of optical properties and fabrication of 2-D arrays of nanoparticles. Journal of Materials Chemistry, 2009, 19, 280-285.	6.7	8
110	Networking chiral coordination polymers through amide hydrogen bond interactions: Thermal stability and optical SHG investigations. Inorganic Chemistry Communication, 2008, 11, 791-794.	1.8	14
111	Two-dimensional arrays of luminescent metal-selenide nanoparticle. Chemical Communications, 2008, , 1193.	2.2	21
112	Tuning optical band gap of vertically aligned ZnO nanowire arrays grown by homoepitaxial electrodeposition. Applied Physics Letters, 2007, 90, 103107.	1.5	108
113	Symmetrical and unsymmetrical thiazole-based ESIPT derivatives: the highly selective fluorescence sensing of Cu2+ and structure-controlled reversible mechanofluorochromism. CrystEngComm, 0, , .	1.3	6