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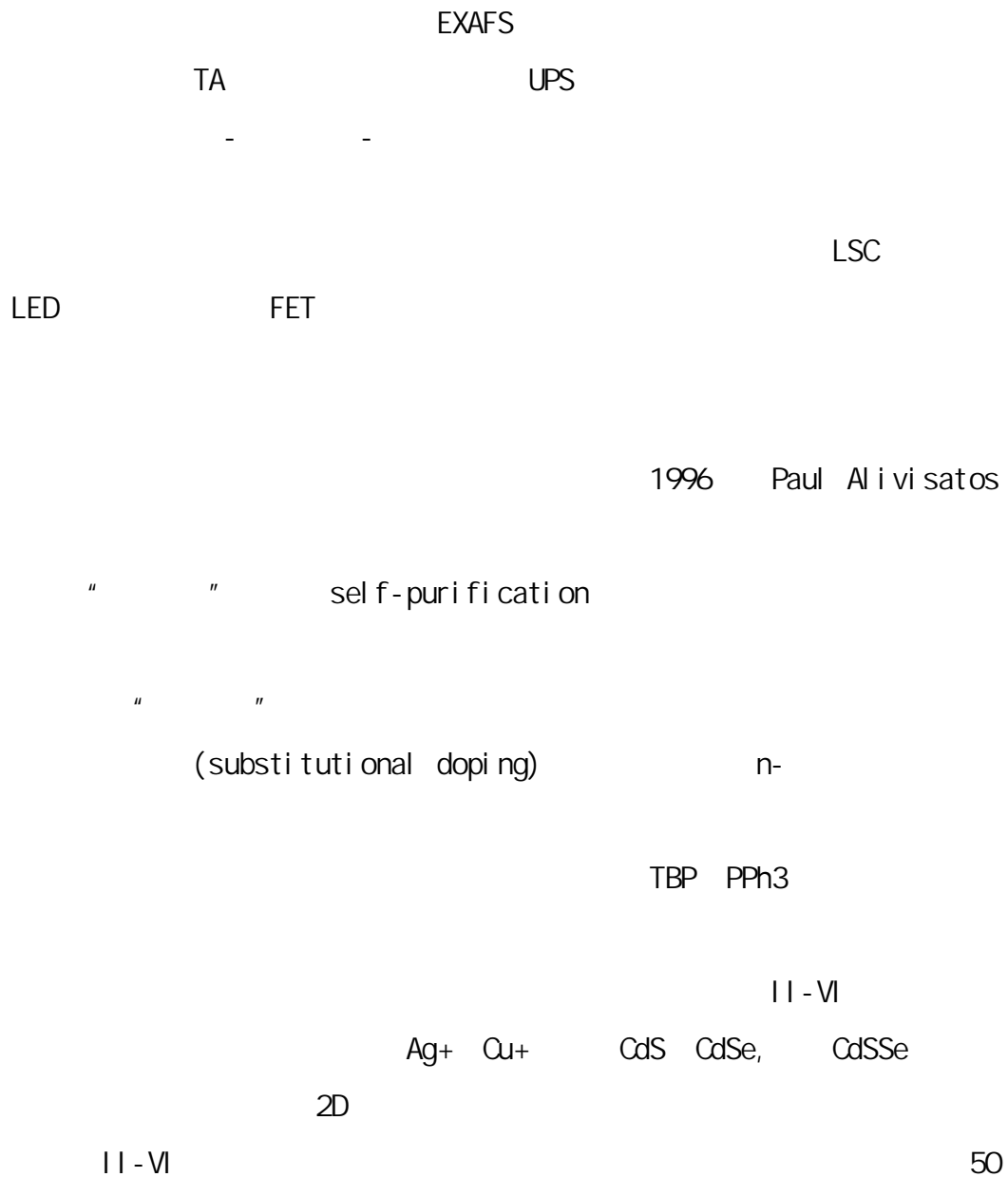
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ve " Heterovalent doping in Colloidal Semiconductor Nanocrystals: Cation Exchange-Enabled New Accesses to Tuning Dopant Luminescence and Electronic Impurities" J. Phys. Chem. Lett. 2017, 8, 4943-4953



% 1 " " Ag+ Cu+ p n II-VI Stokes 0.7 eV

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Luminescence Solar Concentrator LSC

Si

Angew Chem Int. Ed. 2015, 54 3683-3687

Adv. Mater. 2015, 27 2753-2761 NPG

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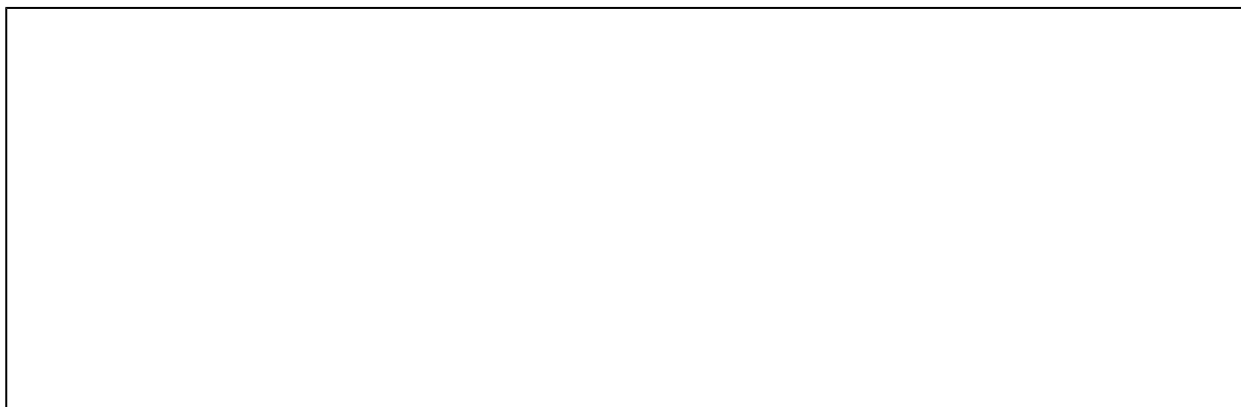
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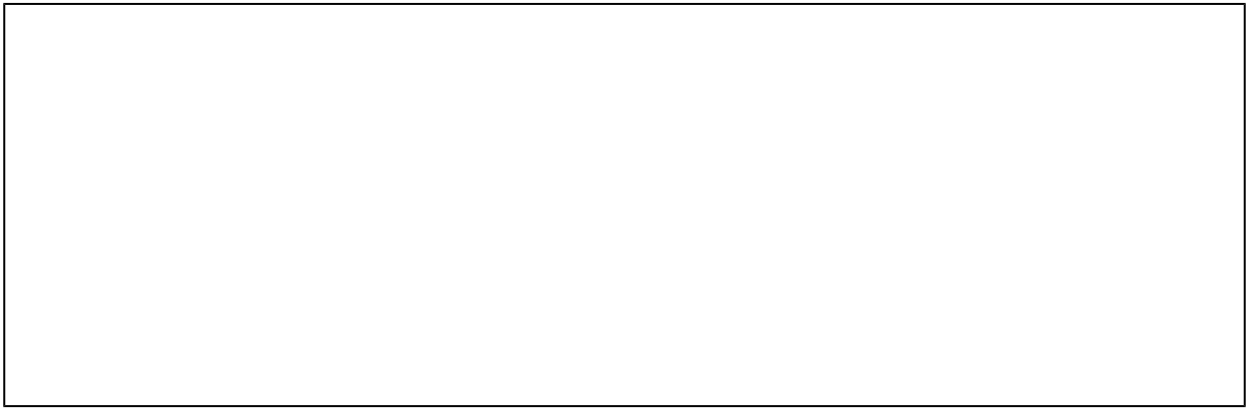
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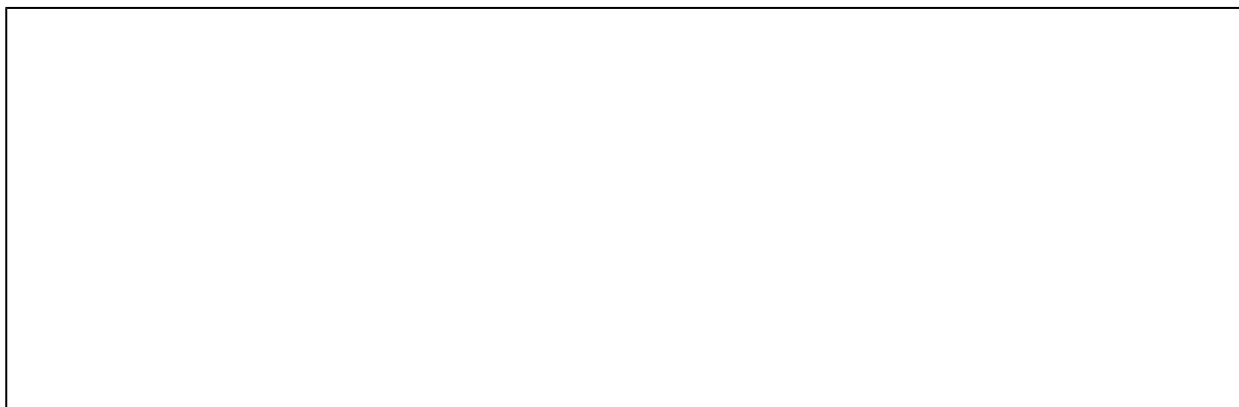
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1	Phosphine-Initiated Cation Exchange for Precisely Tailoring Composition and Properties of Semiconductor Nanostructures: Old Concept, New Applications		2015	Angeordnete Chemie-International Edition		12.0
2	Oriented attachment of nanoparticles to form micrometer-sized nanosheets/nanobelts by topotactic reaction on rigid/flexible substrates with improved electronic properties		2015	NPG Asia Materials		9.2
3	Structurally well-defined AuG	Old Concept				

4	Excitonic pathway to photoinduced magnetism in colloidal nanocrystals with nonmagnetic dopants		2017	Nature Nanotechnology		39.0
5	Controlled Synthesis and Flexible Self-Assembly of Monodisperse Au@Si Semiconductor Core/Shell Hetero-Nanocrystals into Diverse Superstructures		2017	Chemistry of Materials		9.5
6	General Strategy for Two-Dimensional Transition Metal Dichalcogenides by Ion Exchange		2017	Chemistry of Materials		9.5
7	A highly sensitive "turn-on" fluorescent probe with an aggregation-induced emission characteristic for quantitative detection of α -globulin		2017	Biosensors & Bioelectronics		7.8
8	Phosphine-Initiated Cation Exchange for Precisely Tailoring Composition and Properties		2015	Angewandte Chemie-International Edition		12.0

	s of Semiconductor Nanostructures: Old Concept, New Applications			ition		
9	Oriented Attachment of Nanoparticles to Form Micrometer-Sized Nanosheets/Nanobelts by Topotactic Reaction on Rigid/Flexible Substrates with Improved Electronic Properties		2015	NPG Asia Materials		9.2
10	Structurally well-defined Au@Cu ₂ -xS Core-Shell Nanocrystals for Improved Cancer Treatment Based on Enhanced Photothermal Efficiency		2016	Advanced Materials		19.8
11	Excitonic Pathway to Photoinduced Magnetism in Colloidal Nanocrystals with Nonmagnetic Dopants		2017	Nature Nanotechnology		39.0
12	Controlled Synthesis and Flexible Self-Assembly of Monodisperse Au@Semiconductor Core/Shell Hetero-Nan		2017	Chemistry of Materials		9.5

	th Improved Electronic Properties					
17	Structurally well-defined Au@Cu ₂ -xS Core-Shell Nanocrystals for Improved Cancer Treatment Based on Enhanced Photothermal Efficiency	Ji atao Zhang	2016	Advanced Materials		19.8
18	Excitonic Pathway to Photoinduced Magnetism in Colloidal Nanocrystals with Nonmagnetic Dopants	Ji atao Zhang	2017	Nature Nanotechnology		39.0
19	Controlled Synthesis and Flexible Self-Assembly of Monodisperse Au@S Semiconductor Core/Shell Hetero-Nanocrystals into Diverse Superstructures	Ji atao Zhang	2017	Chemistry of Materials		9.5
20	General Strategy for Two-Dimensional Transitional Metal Dichalcogenides by Ion Exchange	Zhuo Chen	2017	Chemistry of Materials		9.5
	A Highly Sensitive "Turn-On" Fluorescent Probe with					

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1	Metal/semiconductor hybrid nanocrystals and synergistic photocatalysis applications, Advanced Catalytic Materials		2015
2	Wet-Phase synthesis of typical magnetic nanoparticles with controlled morphologies		2017
3	Colloidal III-V Nitride Quantum Dots		2017

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1		ZL 20131800668 6		2017			
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6		2 014107403268 E11		2016			
7	Au@Cu ₂ -xS	201510646875.3		2015			
8		ZL201510441345 .5		2017			

9		ZL 201210592653 . 4		2015			
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15	SmTaO4	ZL201410529220 . 3		2016			
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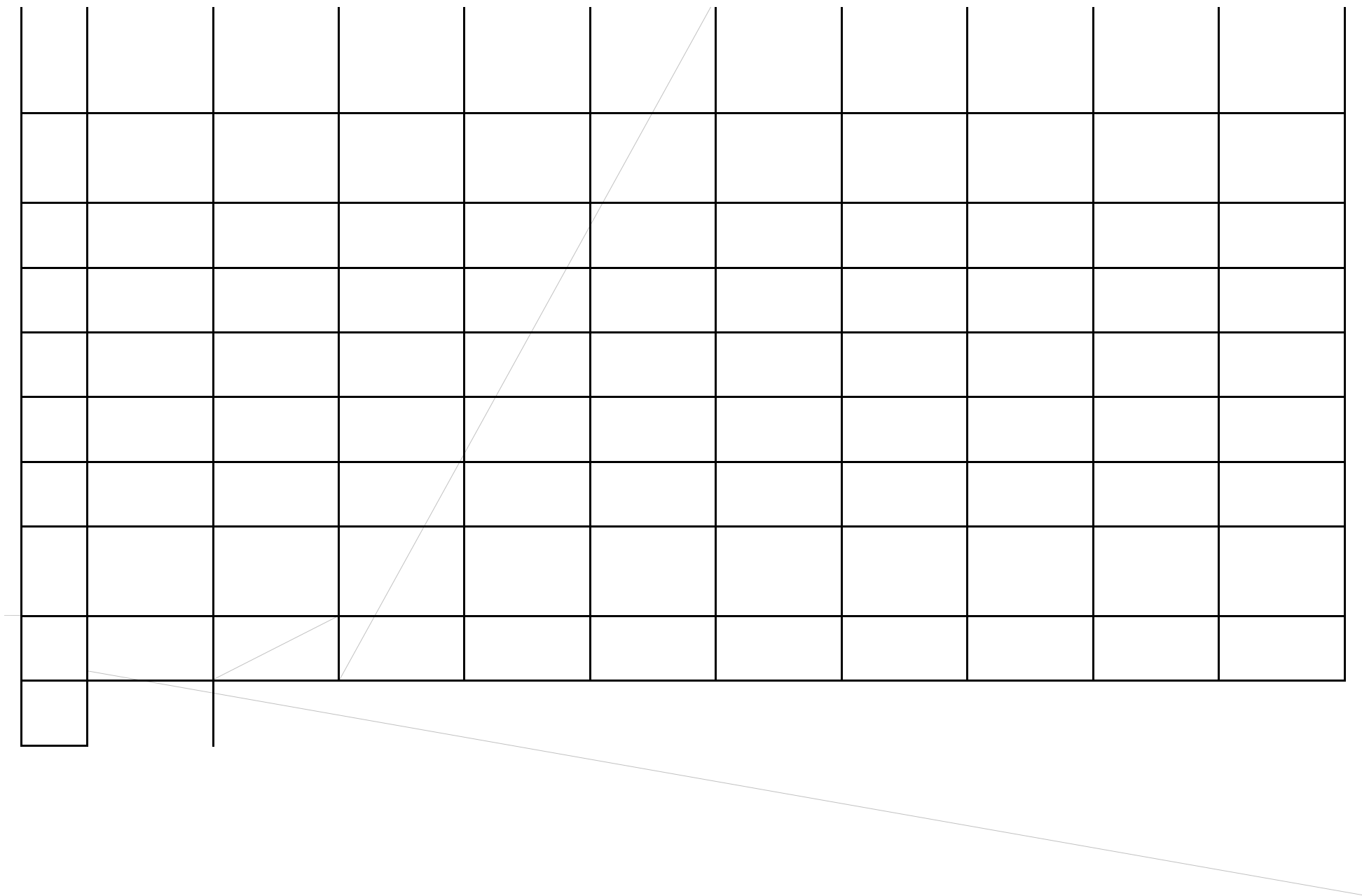
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2	Min Qyang			2016. 7. 7 " Emerging Classes of Hybrid Nanostructures"
3				2016. 12. 18 " Multifunction of Pt Nanocrystals in photocatalytic HER"
4				2016. 12. 22 " Designer Functional Materials for Nanomedicine"
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5					" Impact of catalysis in the epitaxial growth of III-V nanowires"
6			LA	UC	2017 1 5 " 2D Materials, Heterostructures and Devices: Opportunities and Challenges"
7			LA	UC	2017 1 5 " Molecular Specificity Guided NanoCrystal Growth, Assembly and Catalysis"
8	Dieter Fenske				2015 8 28 9 3 " Nanosized Transition Metal Clusters with Main Group Elements as Ligands: Synthesis, Structures and Properties" Fenske
9					2015 9 4 " Interfaced Heterostructures"

10	P. Davide Cozzoli			<p>2015 4 29 " Colloidal Plasmonic Semiconductor Nanocrystals"</p> <p>" Assembly and Thin Films of Colloidal Nanocrystals"</p> <p>- Cozzoli</p> <p>Cozzoli</p>
11	Joseph F. Chiang			<p>2015 6 2 6 29 " Nano Energy and Solar Cell"</p>
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12	P. James Schuck		Lawrence Berkeley	<p style="text-align: right;">Plasmon</p> <p>Life Beyond Diffraction: Locally probing materials and environments with nano-light</p>
13				<p>2015 8 19</p> <p>Synthesis and applications of novel two dimensional nanomaterials</p>
14				<p>2015 6 10</p> <p>" Porous Carbon Electrode Materials and Fundamental Science of Supercapacitor "</p>
15	Xinfeng Liu			<p>2015 12 10</p> <p>Optical Properties of organic-inorganic perovskite and nanolasers</p>

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5	2015 International Symposium on Nanomaterials and Nanotechnology 2015		2015-08		
6			2015-10		Wiley Advanced Materials Small advanced functional materials Advanced Energy Materials 90

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5	Metal /Semiconductor Hetero-nanocrystals: Hetero-interface and Doping Precise Control for New Energy Applications	2017-08			Metal /Semiconductor Hetero-nanocrystals: Hetero-interface and Doping Precise Control for New Energy Applications
6	MRS Spring Meeting	2017-04	Phoenix, Arizona		Metal /Semiconductor Hetero-Nanocrystals S



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14	2015 EMN Optoelectronics Meeting (Energy Material Nanotechnology)	2015-04			/
15	ACPC2015	2015-05			
16		2015-06			Metal /Semiconductor Hetero-nanocrystals: Hetero-interface and Doping Precise Control for New Energy Applications
17	8 16	2015-06			Metal /Semiconductor Hetero-Nanocrystals Surface/Interface Control and Photocatalysis Applications
18	5th Young Scholars Symposium on Nano & New Energy Technology	2015-08			Metal /Semiconductor Hetero-nanocrystals: Hetero-interface, Doping Precise Control and Their Novel Optoelectronic Properties
19	Third China- Israel Meeting on Nanoscience and Nanotechnology	2015-08			Novel graphene and graphene like 2D materials synthesis and energy storage properties

20	The 6th International Conference on Nanoscience & Technology ChinaNANO 2015	2015-09			/
21	Plasmonic Nanogaps and Circuits	2015-10			Cation coordination reactions on nanocrystals: Surface/interface, doping control, and advanced photocatalysis applications
22	2015	2015-12			Ions Exchange Reactions on Nanocrystals: Surface/Interface, Doping Control and Applications

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