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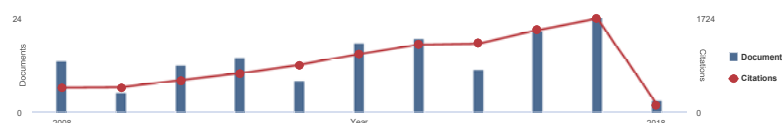
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What's so Hot about Electrons in Metal Nanoparticles? Open Access	Hartland, G.V., Besteiro, L.V., Johns, P., Govorov, A.O.	2017	ACS Energy Letters 2(7), pp. 1641-1653	2
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Understanding and modeling forster-type resonance energy transfer (FRET): FRET from single donor to single acceptor and assemblies of acceptors, vol. 2	Hernández Martínez, P.L., Govorov, A., Demir, H.V.	2017	SpringerBriefs in Applied Sciences and Technology (9789811018718), pp. iv-v	0
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