

Philip P Gill

List of Publications by Year in descending order

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14
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#	ARTICLE	IF	CITATIONS
1	Styrene- <i>ethylene</i> /Butylene- <i>styrene</i> (SEBS) Block Copolymer Binder for Solid Propellants. <i>Propellants, Explosives, Pyrotechnics</i> , 2022, 47, .	1.6	3
2	Is Resonant Acoustic Mixing® (RAM) a Game Changer for Manufacturing Solid Composite Rocket Propellants?. <i>Propellants, Explosives, Pyrotechnics</i> , 2022, 47, .	1.6	5
3	Determination and optimisation of Resonant Acoustic Mixing (RAM) efficiency in Polymer Bonded Explosive (PBX) processing. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 173, 108806.	3.6	6
4	Evaluation of small-scale combustion of an insensitive high explosive formulation containing 3-nitro-1,2,4-triazol-5-one (NTO), 2,4-dinitroanisole (DNAN), and 1,3,5-trinitroperhydro-1,3,5-triazine (RDX). <i>Journal of Energetic Materials</i> , 2021, 39, 85-99.	2.0	7
5	Chemical Modification of β -Cyclodextrins: Balancing Soft and Rigid Domains in Complex Structures. <i>Chemistry - A European Journal</i> , 2019, 25, 15646-15655.	3.3	4
6	Interaction and thermal studies on graphene oxide in NC/DEGDN/GO nanocomposites. <i>RSC Advances</i> , 2019, 9, 35158-35164.	3.6	13
7	Ultrasonic Studies of Solid Azobenzene-Decorated Polymer Thin Films. <i>ACS Omega</i> , 2018, 3, 17693-17699.	3.5	6
8	Optical sensitisation of energetic crystals with gold nanoparticles for laser ignition. <i>Combustion and Flame</i> , 2017, 183, 15-21.	5.2	35
9	The UK Ministry of Defence Project Orientated Environmental Management System (POEMS). <i>Propellants, Explosives, Pyrotechnics</i> , 2017, 42, 36-43.	1.6	5
10	The spatial distribution patterns of condensed phase post-blast explosive residues formed during detonation. <i>Journal of Hazardous Materials</i> , 2016, 316, 204-213.	12.4	9
11	Morphological Variations of Explosive Residue Particles and Implications for Understanding Detonation Mechanisms. <i>Analytical Chemistry</i> , 2016, 88, 3899-3908.	6.5	18
12	Investigation of Crystal Morphology and Shock Sensitivity of Cyclotrimethylenetrinitramine Suspension by Rheology. <i>Propellants, Explosives, Pyrotechnics</i> , 2015, 40, 233-237.	1.6	10
13	Post-blast explosive residue – a review of formation and dispersion theories and experimental research. <i>RSC Advances</i> , 2014, 4, 54354-54371.	3.6	23
14	Investigating the Mechanical Properties of RDX Crystals Using Nano-indentation. <i>Propellants, Explosives, Pyrotechnics</i> , 2012, 37, 191-197.	1.6	36