

# Philip P Gill

## List of Publications by Year in descending order

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14  
papers

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citations

1478505

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1125743

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docs citations

14  
times ranked

201  
citing authors

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